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BAJA CALIFORNIA
TRANSMISSION LINE PROJECT

TAKEN JULY 7, 1999
AT YUMA, ARIZONA

1 D.O.E. REPRESENTATIVES PRESENT:

2

3 ELLEN RUSSELL

4

5 BATTELLE MEMORIAL REPRESENTATIVES PRESENT:

6

7 FRANK DOUGLAS

8

9 N.R.G. REPRESENTATIVES PRESENT:

10

11 ROBERT EVANS

12 ROD LEAS

13 ARTHUR GASTELUM

14 JAMES CLOUD

15 DIRK ANDREAS

16

17 ARGONNE REPRESENTATIVES PRESENT:

18

19 ED PENTECOST

20 JAMES LEVENSON

21 C. RON YUEN

22

23 DAMES & MOORE REPRESENTATIVES PRESENT:

24

25 MICKEY SIEGEL

26

1 ALSO IN ATTENDANCE:

2

3 JOHN SWENSON

4 BILL PYOTT

5 CARROLL HARVIER

6 PAULINE OWL

7 PAULINE JOSE

8 DAVE DANIELS

9 STEPHEN FUSILIER

10 BOMA JOHNSON

11 LUCAS LUCERO

12 TANYA MIKITA

13 LORI YOUNG

14 DEBBIE DEBOCK

15 NANCY NICOLAI

16 LYNDA KASTOLL

17 MARGARET HANGAN

18 WADE NOBLE

19 KAREN REICHHARDT

20 KEITH RAE

21 EDWIN PEACE

22 GAYLON PORTER

23 JOHN HOLT

24 GAIL GALLAGHER

25 JIMMY GONZALEZ

26 GARY ROWELL

1 CRAIG HOLLAND
 2 CLYDE GOULD
 3 RUSS ENGEL
 4 SUSANNA HENRY
 5 ANGELA MOGEL
 6 DEE BRADSHAW
 7 LARRY KILLMAN
 8 JOHN REID
 9 THOMAS ZALE

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15 THE BAJA CALIFORNIA TRANSMISSION LINE
 16 HEARING, TAKEN AT THE RADISSON INN SUITES HOTEL,
 17 LOCATED AT 26TH STREET AND FOURTH AVENUE, IN THE
 18 CITY OF YUMA, COUNTY OF YUMA, STATE OF ARIZONA,
 19 ON WEDNESDAY, JULY 7, 1999, COMMENCING AT 9:00
 20 O'CLOCK A.M., BEFORE JANIE JENNINGS, A CERTIFIED
 21 SHORTHAND REPORTER WITHIN AND FOR THE STATE OF
 22 CALIFORNIA.

23 * * * * *

24

25

26

1 MR. ED PENTECOST: WELCOME TO ALL OF
2 YOU COMING TODAY.

3 I AM ED PENTECOST FROM ARGONNE NATIONAL
4 LAB AND WORKING WITH N.R.G. AS THE PROJECT
5 LEADER. AND THE ARGONNE TEAM IS PREPARING THE
6 ENVIRONMENTAL IMPACT STATEMENT.

7 WE HAVE BEEN TRAMPING AROUND THIS AREA
8 SINCE LAST NOVEMBER. AND STILL HAVE A LITTLE
9 MORE TRAMPING AROUND TO DO. BUT SO FAR I THINK
10 THINGS ARE GOING WELL. I'M REALLY GLAD TO SEE
11 SUCH A GOOD TURNOUT TODAY.

12 WELL, THE PURPOSE OF OUR MEETING IS TO
13 JUST SHOW YOU WHAT DATA WE HAVE GATHERED IN ALL
14 THE TECHNICAL DISCIPLINES, WHAT OUR ASSESSMENT
15 APPROACH IS AND TO HEAR FROM YOU TO SEE IF THERE
16 IS SOMETHING WE HAVE MISSED. IF -- ANY
17 SUGGESTIONS YOU HAVE.

18 WE THOUGHT IT WOULD BE GOOD TO GATHER
19 THAT AT THIS TIME AND THEN WHEN WE COME OUT WITH
20 A PRELIMINARY INTERNAL DRAFT TO REVIEW -- AT THE
21 END OF AUGUST IS OUR TARGET -- HOPEFULLY WE
22 WON'T HAVE MISSED A LOT OF THINGS. THEN WHEN
23 THE DRAFT COMES OUT FOR OFFICIAL REVIEW
24 HOPEFULLY WE WON'T HAVE AS MANY COMMENTS JUST
25 FROM SOMETHING WE HAVE OMITTED.

26 WHAT I WOULD LIKE TO DO IS JUST GO

1 AROUND THE ROOM AND HAVE EVERYONE INTRODUCE
2 THEMSELVES AND INDICATE WHAT YOUR AFFILIATION IS
3 AND WHAT INTEREST YOU MIGHT HAVE IN THE PROJECT.
4 SO --

5 MS. ELLEN RUSSELL: I WOULD LIKE YOU TO
6 SPEAK CLEARLY SO WE CAN HAVE THE REPORTER GET
7 EVERYBODY'S NAME.

8 MR. ED PENTECOST: WE HOPE THERE WILL
9 BE QUESTIONS DURING THE PRESENTATIONS TODAY.
10 AND IF YOU DO HAVE IF YOU COULD GIVE YOUR NAME
11 FOR THE REPORTER.

12 WE ARE GOING TO TRY TO GET THIS ALL SET
13 UP SO IT'S AVAILABLE ON OUR WEB SITE AND
14 PROBABLY HARD COPY FOR THOSE WHO HAVE ATTENDED,
15 SO WE CAN KEEP A GOOD RECORD OF WHAT HAS BEEN
16 SAID.

17 WHY DON'T WE START WITH THE FRONT ROW
18 HERE.

19 MR. JIM LEVENSON: GOOD MORNING, I AM
20 JIM LEVENSON. I AM FROM ARGONNE NATIONAL
21 LABORATORY AND I AM ONE OF THE ECOLOGISTS
22 WORKING ON THE PROJECT.

23 MR. ROBERT EVANS: MY NAME IS BOB
24 EVANS. I AM WITH N.R.G., ONE OF THE PROPONENTS
25 OF THE PROJECT, AND I AM WORKING IN THE
26 ENVIRONMENTAL AREA.

1 MR. ROD LEAS: I AM ROD LEAS ALSO WITH
2 N.R.G. I SORT OF RUN THE PROJECT IN THE FIELD.

3 MR. MICKEY SIEGEL: I AM MICKEY SIEGEL.
4 I AM WITH DAMES & MOORE. I HAVE BEEN ASSISTING
5 WITH THE ENVIRONMENTAL STUDIES.

6 MS. SUSANNA HENRY: I AM SUSANNA HENRY.
7 I'M A WILDLIFE BIOLOGIST WITH THE BUREAU OF LAND
8 MANAGEMENT HERE IN YUMA.

9 MR. BOMA JOHNSON: I AM BOMA JOHNSON,
10 THE ARCHEOLOGIST WITH THE LOCAL B.L.M. GROUP.

11 MS. GAIL GALLAGHER: I AM GAIL
12 GALLAGHER. I AM THE ENVIRONMENTAL PLANNER FOR
13 YUMA COUNTY.

14 MR. CRAIG HOLLAND: I AM CRAIG HOLLAND.
15 I AM SENIOR PLANNER FOR YUMA COUNTY.

16 MS. KAREN REICHHARDT: I AM KAREN
17 REICHHARDT. I AM A NATURAL RESOURCES SPECIALIST
18 IN THE YUMA FIELD OFFICE OF B.L.M.

19 MR. KEITH RAE: KEITH RAE. I AM AN
20 ELECTRICAL ENGINEER WITH ELECTRICAL CONSULTANTS,
21 INCORPORATED. WE ARE INTERESTED IN THE
22 ENGINEERING SIDE OF THIS, AS WELL AS THE
23 ENVIRONMENTAL.

24 MR. EDWIN PEACE: I AM ED PEACE,
25 MANAGER OF THE SAN DIEGO OFFICE FOR ELECTRICAL
26 CONSULTANTS, INCORPORATED.

1 MR. GAYLON PORTER: I AM GAYLON PORTER.

2 I AM WITH ELECTRICAL CONSULTANTS.

3 MR. LUCAS LUCERO: LUCAS LUCERO, REALTY

4 SPECIALIST WITH THE B.L.M.

5 MS. ANGELA MOGEL: I AM ANGELA MOGEL.

6 I AM A REALTY SPECIALIST FOR THE BUREAU OF LAND

7 MANAGEMENT IN PHOENIX.

8 MR. BILL PYOTT: I AM BILL PYOTT, FORT

9 YUMA AGENCY LAND OPERATIONS.

10 MR. RON YUEN: RON YUEN WITH ARGONNE

11 NATIONAL LAB. I AM RESPONSIBLE FOR DOING THE

12 GEOLOGY, SOIL AND THE HYDROLOGY.

13 MR. JOHN SWENSON: I AM JOHN SWENSON, I

14 AM A BIOLOGIST. I AM DIRECTOR OF THE

15 ENVIRONMENTAL PROTECTION OFFICE FOR THE COCOPAH

16 INDIAN TRIBE.

17 MR. CLYDE GOULD: CLYDE GOULD WITH

18 WELLTON-MOHAWK IRRIGATION DISTRICT.

19 MR. WADE NOBLE: I'M WADE NOBLE. I

20 REPRESENT A NUMBER OF IRRIGATION DISTRICTS IN

21 THE AREA, INCLUDING WELLTON-MOHAWK.

22 MR. CARROLL HARVIER: I AM CARROLL

23 HARVIER, ECONOMIC DEVELOPMENT PLANNING WITH THE

24 QUECHAN INDIAN TRIBE.

25 MS. DEBBIE DEBOCK: DEBBIE DEBOCK. I

26 AM A REALTY SPECIALIST HERE AT THE YUMA FIELD

1 OFFICE.

2 MR. DAVE DANIELS: DAVE DANIELS, B.L.M.
3 SURFACE PROTECTION SPECIALIST.

4 MR. STEPHEN FUSILIER: STEVE FUSILIER.
5 I AM A REALTY SPECIALIST WITH THE LOCAL B.L.M.
6 OFFICE.

7 MS. MARGARET HANGAN: MARGARET HANGAN,
8 B.L.M. ARCHEOLOGIST WITH THE EL CENTRO OFFICE.

9 MS. NANCY NICOLAI: HI, NANCY NICOLAI,
10 I AM A WILDLIFE BIOLOGIST. I AM HERE FOR THE
11 BIOLOGICAL ISSUES ON THE CALIFORNIA SIDE OF THE
12 PROJECT.

13 MS. LYNDA KASTOLL: LYNDA KASTOLL,
14 REALTY SPECIALIST WITH B.L.M. IN EL CENTRO.

15 MR. GARY ROWELL: GARY ROWELL, SURFACE
16 PROTECTION SPECIALIST, B.L.M. YUMA.

17 MS. TANYA MIKITA: TANYA MIKITA,
18 ENVIRONMENTAL ENGINEER WITH THE INTERNATIONAL
19 BOUNDARY WATER COMMISSION, YUMA.

20 MS. LORI YOUNG: LORI YOUNG. I AM A
21 WILDLIFE BIOLOGIST WITH THE B.L.M. IN PHOENIX.

22 MR. RUSS ENGEL: RUSS ENGEL, HABITAT
23 PROGRAM MANAGER, ARIZONA GAME AND FISH
24 DEPARTMENT, YUMA OFFICE.

25 MR. JOHN REID: JOHN REID, I AM AN
26 OUTDOOR RECREATION PLANNER FOR THE BUREAU OF

1 LAND MANAGEMENT HERE IN YUMA.

2 MR. JOHN HOLT: JOHN HOLT. I AM WITH
3 THE WESTERN AREA POWER ADMINISTRATION
4 ENVIRONMENTAL.

5 MS. LIBERTY SCOTT: LIBERTY SCOTT. I
6 AM THE PUBLIC MEETING MEMBER OF WELLTON-MOHAWK.

7 MS. PAULINE OWL: I AM PAULINE OWL,
8 CULTURE COMMITTEE CHAIRMAN. I AM WITH THE
9 QUECHAN TRIBE.

10 MS. PAULINE JOSE: I AM PAULINE JOSE
11 WITH THE CULTURE COMMITTEE.

12 MR. JIM CLOUD: I AM JIM CLOUD, REALTY
13 SPECIALIST WITH N.R.G. ENERGY.

14 MR. JIMMY GONZALEZ: JIMMY GONZALEZ
15 WITH PUBLIC SERVICE COMPANY OF NEW MEXICO. WE
16 ARE WORKING ON A SIMILAR PROJECT JUST EAST OF
17 HERE.

18 MR. FRANK DOUGLAS: I'M FRANK DOUGLAS.
19 I AM WITH BATTELLE MEMORIAL INSTITUTE. I AM THE
20 PROJECT MANAGER FOR THE E.I.S. FOR THE SIMILAR
21 PROJECT FOR P.N.M.

22 MS. ELLEN RUSSELL: AND I AM ELLEN
23 RUSSELL FROM THE DEPARTMENT OF ENERGY AND THE
24 N.E.P.A. DOCUMENT MANAGER FOR THIS PROJECT.

25 AND I WOULD LIKE TO WELCOME ALL OF YOU
26 TO THIS MEETING. I AM REALLY, REALLY PLEASED TO

1 SEE SUCH A GREAT TURNOUT.

2 I WOULD LIKE TO TELL YOU JUST VERY,
3 VERY QUICKLY, SO WE CAN STAY ON SCHEDULE TODAY,
4 A LITTLE BIT OF BACKGROUND ON THE PROJECT AND
5 WHY WE ARE DOING WHAT WE ARE DOING HERE.

6 N.R.G. APPLIED TO THE DEPARTMENT OF
7 ENERGY LAST FALL -- EXCUSE ME, LATE SUMMER FOR A
8 PRESIDENTIAL PERMIT.

9 A PRESIDENTIAL PERMIT COMES FROM
10 AUTHORITY -- THE 1939 AUTHORITY OF THE ROOSEVELT
11 ADMINISTRATION FOR THE PROTECTION OF THE
12 PHYSICAL INTEGRITY OF THE U.S. BOUNDARY.

13 ANY APPLICANT THAT WANTS TO CROSS THE
14 U.S. BOUNDARY WITH A PIECE OF WIRE HAS TO COME
15 TO THE DEPARTMENT OF ENERGY FOR A PRESIDENTIAL
16 PERMIT.

17 AS I SAID, N.R.G. APPLIED FOR THEIR
18 PRESIDENTIAL PERMIT IN LATE SUMMER LAST YEAR.
19 AND GIVEN THE MAGNITUDE OF THE PROJECT -- AND
20 THEY WILL BE DESCRIBING THE PROJECT A LITTLE BIT
21 IN DETAIL -- WE DECIDED THAT THERE WAS GOING TO
22 BE A SIGNIFICANT ENVIRONMENTAL IMPACT THAT WOULD
23 REQUIRE THE PREPARATION OF AN ENVIRONMENTAL
24 IMPACT STATEMENT.

25 WHEN WE MADE THE DECISION TO PREPARE AN
26 ENVIRONMENTAL IMPACT STATEMENT, AGENCIES WERE

1 NOTIFIED. THAT'S WHY YOU HAVE ALL BEEN
2 PARTICIPATING SINCE THAT TIME.

3 AND THERE ARE OTHER LOGICAL AGENCIES
4 THAT WOULD NEED A DOCUMENT SIMILAR TO A FULL
5 E.I.S. FOR THIS KIND OF PROJECT.

6 FOR EXAMPLE, B.L.M.'S LAND CROSSING
7 PERMIT. A PERMIT FOR -- OR PERMISSION TO CROSS
8 THE LANDS OF THE QUECHAN NATION. AND OTHER
9 ARIZONA AND CALIFORNIA PERMITS.

10 HOPEFULLY THE DOCUMENT THAT WE ARE HERE
11 TO TALK ABOUT WILL SERVE THE NEEDS OF ALL
12 FEDERAL AND STATE PROJECTS.

13 THE WAY TO ENSURE THAT IS TO ASK
14 QUESTIONS OF ED PENTECOST AND HIS TEAM TO MAKE
15 SURE THAT WHEN THE DOCUMENT IS AVAILABLE IN
16 DRAFT FORM WE COVER EVERYBODY'S NEEDS.

17 AGAIN, AS ED SAID, PLEASE IDENTIFY
18 YOURSELF WHEN YOU HAVE A QUESTION TO ASK SO THAT
19 JANIE -- AND JANIE IS LIKE PART OF D.O.E.'S
20 TRAVELING ROAD SHOW NOW. I MEAN, SHE DOES ALL
21 OF OUR MEETINGS.

22 THE TRANSCRIPT, AS ED SAID, WILL BE ON
23 THE PROJECT WEB SITE. THE PROJECT WEB SITE IS
24 LISTED ON THE FACT SHEET THAT EVERYBODY SHOULD
25 HAVE. AND IT WILL TAKE PROBABLY A MONTH OR SIX
26 WEEKS BEFORE THE TRANSCRIPT CAN BE ON THAT SITE.

1 ED? OH, NO, LUCAS.

2 MR. ED PENTECOST: LUCAS LUCERO WITH
3 B.L.M. TALKING ABOUT B.L.M.'S INVOLVEMENT IN
4 THIS PROJECT.

5 MR. LUCAS LUCERO: THANKS, ED.

6 I DIDN'T HAVE A WHOLE LOT PREPARED. I
7 WILL KEEP IT PRETTY SHORT AND TO THE POINT.

8 AS FAR AS B.L.M.'S ROLE, THE PROPOSED
9 ROUTE TO CROSS THREE B.L.M. FIELD OFFICES;
10 PHOENIX FIELD OFFICE, YUMA FIELD OFFICE AND EL
11 CENTRO.

12 B.L.M. YUMA HAS TAKEN THE LEAD AS FAR
13 AS THE B.L.M. FOR THIS PROJECT. MYSELF AND
14 DEBBIE DEBOCK ARE THE MAIN POINTS OF CONTACT FOR
15 B.L.M.

16 THE PROPOSED ROUTE WOULD ALSO CROSS
17 LAND ADMINISTERED BY THE DEPARTMENT OF THE ARMY,
18 YUMA PROVING GROUND. ALSO BUREAU OF
19 RECLAMATION.

20 UNDER AGREEMENT BETWEEN B.L.M. AND
21 Y.P.G. AND BUREAU OF RECLAMATION, B.L.M. WILL
22 ISSUE ONE RIGHT-OF-WAY GRANT ACROSS ALL FEDERAL
23 LANDS.

24 B.L.M. IS A COOPERATING AGENCY ON THE
25 E.I.S. WE WILL REVIEW THE DRAFT E.I.S. BY
26 ARGONNE AND PROVIDE OUR COMMENTS ON THAT. AND

1 WILL ALSO ISSUE OUR OWN RECORD OF DECISION FOR
2 THE E.I.S.

3 THAT'S BASICALLY ALL I HAVE.

4 MR. ED PENTECOST: JUST MAYBE ONE
5 COMMENT, LUCAS, ABOUT A COOPERATING AGENCY. BUT
6 WITH RESPECT TO PREPARING THE E.I.S., SOME OF
7 YOU MAYBE ARE NOT THAT FAMILIAR WITH THE
8 PROCESS.

9 WHEN A COOPERATING AGENCY ENTERS IN,
10 LIKE HAS OCCURRED HERE WITH THE D.O.E., THEY
11 HAVE A STRONGER ROLE THAN SAY JUST REVIEWING THE
12 DOCUMENT. THAT ALL FEDERAL AGENCIES IN THIS
13 AREA WILL GET A CHANCE TO REVIEW THE DRAFT
14 E.I.S.

15 BUT AS COOPERATING AGENCY I THINK YOU
16 ARE TRYING TO SATISFY A LOT OF THE REQUIREMENTS
17 THERE. AND IT'S A MORE ACTIVE INVOLVEMENT
18 THROUGHOUT THE DEVELOPMENT OF THE DOCUMENT.

19 MS. ELLEN RUSSELL: AND B.I.A. HAS
20 ASKED FOR COOPERATING AGENCY ON THIS PROJECT, AS
21 WELL.

22 MR. ED PENTECOST: OKAY.

23 MR. LUCAS LUCERO: THAT'S ALL I HAD.

24 MR. ED PENTECOST: WE ARE JUST A LITTLE
25 BIT AHEAD OF TIME, BUT THAT'S OKAY. I THINK WE
26 WILL PROCEED WITH --

1 ROD, I HAVE YOU AND BOB DOWN NEXT FOR
2 THE PROJECT DESCRIPTION, THE CONSTRUCTION
3 ACTIVITIES AND KIND OF AN OVERVIEW OF THE
4 SCHEDULE.

5 SO, BOB, LET'S --

6 MS. ELLEN RUSSELL: AND, BOB, IF YOU
7 COULD DO IT FROM OVER HERE SO JANIE CAN HEAR YOU
8 BETTER, I WOULD APPRECIATE IT. IF POSSIBLE.

9 MR. ROBERT EVANS: JANIE WON'T HAVE --
10 THAT'S THE PROBLEM WITH CELL PHONES. I DON'T
11 THINK JANIE'S GOING TO HAVE A DIFFICULT TIME
12 HEARING ME. IF YOU DO I WILL BE GLAD TO STEP
13 CLOSER.

14 BOB EVANS. I AM WITH N.R.G.

15 I JUST WANTED TO IDENTIFY EVERYONE
16 THAT'S HERE ON BEHALF OF THE PROJECT.

17 IT'S NOT JUST N.R.G. THE ENTITIES THAT
18 ARE PURSUING THE PROJECT ARE GATEWAY SCIENCE AND
19 ENGINEERING, AND N.R.G.

20 THE PROJECT DIRECTOR FOR N.R.G. WAS
21 HERE. I AM ENVISIONING THAT HE GOT CALLED AWAY
22 ON AN EMERGENCY. HIS NAME IS DIRK ANDREAS. HE
23 WILL BE BACK HERE.

24 I AM GOING TO DISCUSS SOME OF THE
25 BACKGROUND OF THE PROJECT, AND IT WILL NOT BE AS
26 GOOD AS HE WOULD BE ABLE TO DO, SO YOU WILL HAVE

1 TO BEAR WITH ME ON THAT.

2 ART GASTELUM, THE PRESIDENT OF GATEWAY
3 SCIENCE AND ENGINEERING, IS ALSO HERE. HE AND
4 DIRK ARE MISSING FROM THIS MEETING.

5 WE HAVE GOT ROD LEAS WHO IS THE
6 FIELD -- MORE OR LESS, AS HE SAID, THE FIELD
7 MANAGER OF THE WHOLE THING.

8 JIM CLOUD IS DOING A LOT OF
9 RIGHT-OF-WAY WORK FOR US.

10 MICKEY SIEGEL IS FROM DAMES & MOORE WHO
11 IS ADVISING US ON A LOT OF THE PERMITTING
12 ISSUES.

13 LET'S SEE. SO I THINK THAT COVERS
14 PRETTY MUCH EVERYONE ON THE GATEWAY/N.R.G. TEAM.

15 AS FAR AS THE PURPOSE GOES, WE HAVE
16 GOT -- IN THE NEAR TERM N.A.F.T.A. HAS -- AND AS
17 IS NOTED ON THE FACT SHEET THAT YOU ALL HAVE.
18 AND I AM ASSUMING THAT EVERYONE HAS A FACT
19 SHEET.

20 OH, DIRK ANDREAS. I WAS GOING -- I WAS
21 GOING TO GIVE THE PURPOSE AND BACKGROUND. DO
22 YOU WANT TO DO THAT?

23 MR. DIRK ANDREAS: YOU CAN DO IT.

24 MR. ROBERT EVANS: OKAY. AS FAR AS THE
25 NEAR-TERM GOALS, N.A.F.T.A. HAS CREATED A
26 VIRGINING GROWTH OF INDUSTRY IN THE BAJA

1 CALIFORNIA AREA.

2 C.F.E., THE NATIONAL MEXICAN ELECTRIC
3 UTILITY, IS CRYING FOR POWER.

4 THIS PROJECT IN THE NEAR TIME IS GOING
5 TO BE SOMETHING THAT'S GOING TO ASSIST IN
6 GETTING THAT SOURCE OF POWER INTO THE BAJA AREA.

7 IT'S TIMELY. IT CAN BE CONSTRUCTED
8 FAIRLY QUICKLY. IF YOU COMPARE ITS COST WITH
9 THE COST OF GENERATION, IT'S MUCH CHEAPER. THAT
10 IS, A TRANSMISSION LINE. AND WE BELIEVE THAT
11 THE ROUTE THAT WE HAVE SELECTED IS
12 ENVIRONMENTALLY ACCEPTABLE.

13 NOW, THAT'S WHAT D.O.E. IS -- AND THIS
14 PROCESS IN PREPARING THE E.I.S. IS ALL ABOUT.

15 MR. DIRK ANDREAS: GO AHEAD.

16 MR. ROBERT EVANS: IN THE LONG TERM,
17 ALTHOUGH THE -- IN THE FRONT END OF THIS PROJECT
18 WE ANTICIPATE THAT MOST OF THE POWER IS GOING TO
19 COME FROM THE UNITED STATES AND GO INTO THE BAJA
20 AREA. BUT OVER THE LONG TERM GENERATION WILL BE
21 CONSTRUCTED IN BAJA CALIFORNIA AND IT WILL
22 PROVIDE SOME COMPETITIVE ELECTRIC POWER INTO
23 PERHAPS THE U.S.

24 SO THERE WILL BE AN EXCHANGE OF POWER,
25 AND I THINK THAT THAT'S THE GOAL OF D.O.E. IS TO
26 PROMOTE COMPETITION WITHIN THE ELECTRICAL

1 INDUSTRY.

2 AS FAR AS CRITICAL PROJECT DETAILS, I
3 AM GOING TO LET ROD GO THROUGH THE FACT SHEET,
4 BECAUSE HE HAS BEEN THE PERSON THAT'S BEEN DOING
5 MOST OF THE ALTERNATIVE ROUTE PLANNING. DOING
6 MOST OF THE FIELD WORK DOWN HERE.

7 MR. ROD LEAS: THIS PROJECT STARTED
8 BACK LAST FALL, AS I THINK BOB SAID. AT THAT
9 TIME WE BEGAN TO LOOK AT WAYS AROUND YUMA.
10 ALTERNATIVES AROUND THE YUMA AREA.

11 BY LAW WE HAVE TO LOOK AT VARIOUS
12 ALTERNATIVES. WE MET EXTENSIVELY WITH
13 IRRIGATION PEOPLE, WITH INDIANS, WITH PRIVATE
14 CITIZENS, WITH THE COUNTY PLANNERS, CITY
15 PLANNERS AND WE LOOKED AT A WHOLE BUNCH OF
16 ALTERNATIVES BASICALLY SOUTH OF YUMA, FROM EAST
17 OF YUMA TO WEST OF YUMA.

18 THE REASON BEING THAT WE WERE INVITED
19 INTO THE BAJA BY C.F.E., THE NATIONAL UTILITY OF
20 MEXICO. AND WE WERE INVITED THERE EFFECTIVELY
21 TO -- TO THE GREATEST EXTENT POSSIBLE BYPASS
22 CALIFORNIA. SOME OF THE ENVIRONMENTAL CONCERNS
23 IN CALIFORNIA. THE RECREATIONAL CONCERNS.
24 CONCERNS WITH THE SAND DUNES. WE WANTED TO
25 BYPASS THE INDIAN LANDS IF POSSIBLE BECAUSE THEY
26 HAVE ALREADY BEEN IMPACTED BY ONE LINE AND

1 DIDN'T WANT TO BE IMPACTED WITH ANOTHER LINE.
2 SO WE BEGAN TO LOOK AT ALTERNATIVES.
3 ONE OF THEM WAS THROUGH THE MOUNTAINS JUST EAST
4 OF HERE. OTHER ALTERNATIVES WOULD HAVE GONE
5 FROM THE NORTH GILA SUBSTATION. THEY ALL WOULD
6 HAVE GONE SOUTH OF YUMA, SOUTH OF THE AIRPORT,
7 DOWN TO ABOUT I BELIEVE 75TH STREET SOUTH.
8 IN MEETING WITH VARIOUS PEOPLE WHO HAVE
9 INTERESTS IN THAT AREA WE FINALLY CAME TO THE
10 REALIZATION THAT IT'S POINTLESS TO BEAT OUR HEAD
11 AGAINST A BRICK WALL TO TRY TO GET THROUGH AN
12 AREA WHERE THERE WAS A LOT OF OPPOSITION. AND
13 SO RATHER THAN CONTINUING TO FORCE AN ISSUE WE
14 SAID, OKAY, WE WILL GO BACK TO THE ROUTE THAT WE
15 HAD PROPOSED UNDER THE PRESIDENTIAL PERMIT
16 APPLICATION, WITH THE EXCEPTIONS OF A COUPLE OF
17 ALTERNATIVES THAT DIDN'T WORK OUT.
18 ONE OF THE ALTERNATIVES BYPASSES NORTH
19 GILA BECAUSE ELECTRICALLY OUR STUDIES INDICATED
20 THAT THERE WAS NO PARTICULAR BENEFIT TO GOING TO
21 NORTH GILA. IN FACT, THERE MIGHT BE A
22 DETRIMENT.
23 SO WE GOT THE ARMY'S PERMISSION TO CUT
24 ACROSS A LITTLE CORNER OF THE YUMA PROVING
25 GROUNDS. THAT SHORTENS THE ROUTE RIGHT HERE BY
26 ABOUT FIVE MILES. SO THIS IS ONE THAT WE

1 AFFECTIONATELY CALL THE Y.P.G. CUTOFF, FOR
2 OBVIOUS REASONS. RIGHT STRAIGHT ACROSS TO THE
3 COLORADO RIVER CROSSING.

4 THEN WE LOOKED AT SEVERAL ALTERNATIVES.
5 ONE WOULD HAVE GONE FROM NORTH TO SOUTH JUST
6 WITHIN THE WESTERN BOUNDARY OF THE FORT YUMA
7 RESERVATION. ONE NORTH TO SOUTH JUST OUTSIDE OF
8 THE WESTERN BOUNDARY. AND ONE NORTH TO SOUTH
9 WHICH ISN'T SHOWN ON HERE ABOUT FOUR MILES WEST
10 OF THE WESTERN BOUNDARY.

11 THE ONE THAT WE ARE HOPING TO USE IS
12 THIS ONE. IT'S NOT EVEN SHOWN ON HERE.

13 MR. ROBERT EVANS: IT'S SHOWN ON THE
14 FACT SHEET, HOWEVER, THAT YOU HAVE.

15 MR. ED PENTECOST: YOU WILL SEE IT IN
16 SOME OF THE SLIDES THAT ARE IN THE SHOW. SO YOU
17 WILL GET A CHANCE.

18 MR. ROD LEAS: WE WILL BE DOING SEVERAL
19 THINGS THAT ARE NOT SHOWN ON THE MAP, BECAUSE
20 THE MAP IS NOT BIG ENOUGH.

21 JUST SOUTH OF THE PALO VERDE STATION WE
22 WILL BE BUILDING A NEW SWITCH YARD.

23 THE REASON FOR THAT IS THERE ARE TOO
24 MANY REQUESTS FOR CONNECTIONS WITH THE EXISTING
25 PALO VERDE SWITCH YARD TO BE ABLE TO ACCOMMODATE
26 IT WITHIN THE CONFINES OF THAT SWITCH YARD, SO

1 WE ARE GOING TO PUT A NEW ONE IN.

2 WE WILL BE PUTTING IN A RIVER CROSSING
3 RIGHT HERE, WHERE WE PROBABLY WILL BE TRADING
4 STRUCTURES TO KEEP OUR LINE TO THE NORTH. IF WE
5 CAN STAY TO THE NORTH OF THE EXISTING LINE, WE
6 WILL SHARE RIGHT-OF-WAY WITH THE EXISTING LINE.
7 WE WILL SEPARATE FROM THE EXISTING LINE BY ABOUT
8 150 FEET. AND WE WILL GO THE WHOLE WAY FROM
9 PALO VERDE TO THIS POINT RIGHT HERE ON THE NORTH
10 SIDE OF THE EXISTING LINE.

11 AT THIS POINT WE WILL BUILD ANOTHER
12 SOMETHING. I JUST CALL IT A YARD AT THIS POINT,
13 BECAUSE IT'S NOT A SWITCH YARD, IT'S NOT A
14 SUBSTATION, IT'S NOTHING. IT'S JUST A CROSSING
15 POINT.

16 AT THAT POINT WE WILL BUILD A YARD.
17 AND WE WILL CROSS ON BUS WORK.

18 NOBODY LIKES TO HAVE THEIR LINE
19 CROSSED. NO UTILITY WANTS TO BE CROSSED BY
20 ANOTHER LINE. NOBODY WANTS TO BE THE BOTTOM
21 GUY. AND WE DON'T WANT TO BE THE BOTTOM GUY.
22 THE EXISTING OWNER -- THE OWNERS OF THE EXISTING
23 LINE DON'T WANT TO BE THE BOTTOM GUY. SO WE ARE
24 GOING TO BUILD A CROSSING LINE THERE.

25 WE WILL CROSS FROM THE NORTH TO THE
26 SOUTH SIDE OF THE EXISTING LINE AND THEN

1 CONTINUE ON THE SOUTH SIDE TO ABOUT THIS POINT,
2 AND THEN DIRECTLY DOWN INTO THE NORTHERN BAJA.

3 I MET YESTERDAY WITH THE DIRECTOR OF
4 PLANNING FOR C.F.E., THE MEXICAN UTILITY IN
5 MEXICO CITY, AND GOT HIS ASSURANCE THAT WE CAN
6 GO THROUGH THE BAJA.

7 SO THAT IS A VIABLE OPTION. THAT IS A
8 VIABLE ALTERNATIVE THAT PROBABLY WILL BE THE ONE
9 THAT'S CHOSEN.

10 THE MEXICAN GOVERNMENT WILL DO THE
11 ENVIRONMENTAL WORK FOR THAT ROUTE.

12 WHEN WE GET OVER HERE, ALSO OFF THE
13 MAP, WE WILL TIE INTO THE CETYS SWITCH YARD AT
14 500 K.V.

15 WE WILL BUILD THIS LINE WITHOUT ANY OF
16 THE -- THE PROPOSAL RIGHT NOW IS WE WILL BUILD
17 THE LINE WITHOUT ANY ATTACHMENTS, WITHOUT ANY
18 STOPPING, WITHOUT ANY LOAD SERVING ANYWHERE EN
19 ROUTE AND DELIVER TO CETYS IN 2001 WHEN WE
20 COMPLETE THE LINE SOMEWHERE -- HAVE THE
21 CAPABILITY OF DELIVERING SOMEWHERE BETWEEN 500
22 AND 600 MEGAWATTS.

23 THAT WON'T ALL BE DELIVERED AT ONCE
24 BECAUSE CETYS OR NORTHERN BAJA WON'T NEED ALL
25 THAT AMOUNT AT ONCE, BUT THAT WILL BE THE
26 CAPABILITY OF THE LINE.

1 AT SOME FUTURE TIME WE WILL HAVE THE
2 CAPABILITY OF UPGRADING THAT LINE WITH SOME
3 ADDITIONAL ELECTRICAL EQUIPMENT TO BE ABLE TO
4 SUPPLY OR DELIVER VIA THAT LINE 4,000 MEGAWATTS
5 REQUESTED UNDER THE PRESIDENTIAL PERMIT.

6 WE MAY BE AT SOME POINT IN TIME IN THE
7 FUTURE DEVELOPING ASSOCIATIONS WITH OTHER
8 UTILITIES. PARTNERSHIPS, SERVICE ARRANGEMENTS,
9 YOU NAME IT. I DON'T KNOW WHAT THEY ARE BECAUSE
10 NOTHING HAS BEEN DECIDED AT THIS POINT. SO THIS
11 COULD HAPPEN RIGHT HERE.

12 AT THAT POINT WE -- IF WE CONNECT THE
13 LOCAL UTILITIES WE WILL BE ABLE TO SUPPLY THE
14 ELECTRICITY BACKUP FOR VOLTAGE SAG PROBLEMS THAT
15 OCCUR IN THE YUMA AREA WITH THE FAILURE OF THE
16 FACILITY.

17 RIGHT NOW IF THE FACILITY FAILS IN THE
18 INTERCONNECTED A.C. REGIONAL SYSTEM, THERE ARE
19 GOING TO BE PROBLEMS HERE. OUR LINE WILL BE
20 ABLE TO HELP RESOLVE THOSE ISSUES. NOT
21 INITIALLY, BUT IN THE FUTURE.

22 ANY QUESTIONS?

23 MR. WADE NOBLE: YES.

24 MR. ROD LEAS: OH, MITIGATION? YES,
25 SIR.

26 MR. WADE NOBLE: WHAT ABOUT THAT

1 PARTICULAR CROSSING AT THE COLORADO RIVER? CAN
2 WE GO OVER THAT?

3 MR. ROD LEAS: YEAH. WHAT WE HAVE IN
4 MIND -- I WILL DRAW IT ON THE BOARD HERE.
5 I WILL DRAW IT ON THE BOARD, IF I CAN
6 FIND A PEN.

7 CAN YOU SEE THIS, WADE?

8 MR. WADE NOBLE: YES.

9 MR. ROD LEAS: THE COLORADO RIVER
10 FLOODPLAIN COMES DOWN SOMETHING LIKE THIS.

11 HERE IS THE LAGUNA DAM. THE SPILLWAY
12 IS OVER HERE. HERE IS THE EDGE OF THE BLUFF
13 THAT COMES DOWN THROUGH HERE AND THEN IT GOES
14 BACK UP SORT OF A RAVINE. SORT OF AN
15 ARRANGEMENT LIKE THAT AND THEN CONTINUES.

16 THESE ARE HILLS. THIS IS A ROAD THAT
17 GOES ALONG HERE. THERE IS THE FLOODPLAIN.

18 THE EXISTING LINE COMES THROUGH HERE --
19 YOU WILL HAVE TO EXCUSE MY ARTWORK. I DON'T
20 KNOW EXACTLY WHERE THESE THINGS ARE. BUT THERE
21 IS A TOWER OR SOMETHING LIKE RIGHT HERE. THERE
22 IS A TOWER OVER HERE SOMEWHERE. THERE IS A
23 TOWER RIGHT HERE. THERE IS ONE OUT HERE. THERE
24 IS ONE OVER HERE. AND THEN THERE ARE MORE THAN
25 I AM SHOWING. THEN THERE IS ONE OVER HERE.

26 THE EXISTING LINE COMES THROUGH HERE,

1 EFFECTIVELY LIKE THIS.

2 WHAT WE PLAN ON DOING IS COMING THROUGH
3 HERE WITH OUR LINE. PUT A TOWER OR SOMETHING
4 LIKE THAT RIGHT THERE.

5 WHAT WE ARE GOING TO TRY TO DO IS BUILD
6 FACILITIES THAT LOOK EXACTLY LIKE WHAT'S THERE.

7 WE HAD INITIALLY PLANNED -- YOU
8 PROBABLY SAW THIS THING THAT WAS UP HERE THAT I
9 TOOK BACK.

10 WHAT I WAS LOOKING AT ORIGINALLY WAS A
11 TENNIS RACQUET DESIGN. A GUIDE LATTICE
12 STRUCTURE WITH A DELTA CONFIGURATION. IT'S MUCH
13 MORE ELECTRICALLY EFFICIENT TO DO THAT THAN
14 BUILD THE KIND OF A STRUCTURE THAT'S OUT THERE
15 WITH A FLAT, HORIZONTAL ARRANGEMENT.

16 IF WE WIND UP CONNECTING -- FOR
17 EXAMPLE, WE COULD CONNECT IN THE FUTURE TO THE
18 EXISTING 500 K.V. LINE.

19 IF WE DO THAT WE WOULD HAVE TO DEGRADE
20 THE ELECTRICAL EFFICIENCY OF THE LINE THAT WE
21 WOULD BUILD, AND IT MAKES NO SENSE TO DO THAT.

22 WHY BUILD SOMETHING THAT'S CHEAP AND
23 EASY AND VERY EFFICIENT AND THEN DEGRADE IT.
24 IT'S KIND OF LIKE DETROIT DOES WITH ITS
25 AUTOMOBILES. WE DON'T WANT TO DO THAT.

26 SO WHAT WE ARE GOING TO PROBABLY WIND

1 UP DOING IS BUILDING FACILITIES THAT LOOK
2 EXACTLY LIKE WHAT'S THERE AND WE WILL PUT THEM
3 AS CLOSE TO WHAT'S THERE AS POSSIBLE. ABOUT 150
4 FEET AWAY.

5 WHEN WE COME THROUGH HERE IN ORDER TO
6 DO THIS OUR LINE WOULD COME THROUGH HERE LIKE
7 THIS. IT'S NOT IN THE CURVE, BUT A GENERAL
8 IDEA. THEN WE WOULD HAVE TO CROSS ONCE, CROSS
9 AGAIN AND THEN BE ON THE NORTH SIDE AGAIN.

10 RATHER THAN DO THAT, WE HAVE HAD
11 DISCUSSIONS WITH SAN DIEGO GAS & ELECTRIC AND
12 A.P.S. ABOUT TRADING STRUCTURES. WE WOULD MOVE
13 THEIR LINE TO THIS TOWER, AND WE WOULD TAKE OVER
14 THE OLD TOWER.

15 BOMA JOHNSON AND WE WERE OUT THERE
16 LOOKING AT IT A MONTH OR SO AGO. THIS IS THE
17 SITE OF WHAT WAS ONCE THE CONSTRUCTION CAMP FOR
18 LAGUNA DAM.

19 AND UNFORTUNATELY IT'S ALL BEEN
20 DEMOLISHED. ABOUT ALL THAT'S THERE NOW IS
21 CRUSHED CROCKERY AND RUSTY TIN CANS AND RUSTY
22 NAILS AND A LITTLE BIT OF CONCRETE FOUNDATION.

23 BOMA BELIEVES THAT WE CAN PROBABLY
24 BUILD HERE. WE ARE HOPING THAT THAT WILL WORK
25 OUT. IT WOULD BE A LOT BETTER FOR EVERYBODY
26 INVOLVED IF WE COULD SWAP STRUCTURES AND MOVE

1 THE LINE THAN IF WE WERE TO HOP OVER THAT LINE
2 TWICE. THEY WOULDN'T LIKE IT, WE WOULDN'T LIKE
3 IT, NOBODY WOULD BE HAPPY AND IT COULD CAUSE
4 PROBLEMS ELECTRICALLY.

5 MR. WADE NOBLE: WHAT'S ON THAT SITE
6 WHERE THE PROPOSED NEW STRUCTURE WOULD BE BUILT
7 SOUTH OF THE EXISTING LINE?

8 MR. ROD LEAS: THIS ONE HERE?

9 MR. WADE NOBLE: YES.

10 MR. ROD LEAS: LIKE I SAY, IT'S A LOT
11 OF BROKEN CROCKERY, BENT NAILS, RUSTY TIN CANS.

12 THERE USED TO BE A BUILDING THERE. IF
13 YOU GO OVER TO THE EAST ALLOCATION PLANT AND
14 WALK THE HALLWAYS YOU CAN SEE PHOTOGRAPHS THAT
15 SHOW SOME BUILDINGS THERE. BUT THE BUILDINGS
16 ARE LONG GONE.

17 THIS THING THAT HAD TROUBLE STAYING UP
18 IS THE CONCEPT OF THE DELTA CONFIGURATION THAT
19 WE WERE LOOKING AT ORIGINALLY. WE'VE BASICALLY
20 GIVEN THAT UP AND ARE GOING TO DO THIS.

21 MITIGATION DURING CONSTRUCTION AND
22 AFTER CONSTRUCTION.

23 DURING CONSTRUCTION HOPEFULLY -- I
24 MEAN, YOU KNOW, THIS IS THEORY AND IT'S -- IT
25 WILL WORK OUT HOW IT WORKS OUT.

26 BUT THE THEORY IS THAT WE WILL HIRE A

1 RESPONSIBLE CONTRACTOR WHO WILL NOT MAKE A BIG
2 MESS. BUT TO MAKE SURE THEY DON'T MAKE A BIG
3 MESS WE WILL HAVE CONSTRUCTION INSPECTION. WE
4 WILL HAVE PEOPLE OUT IN THE FIELD WATCHING WHAT
5 THEY DO AND MAKING SURE THAT THEY ARE
6 RESPONSIBLE IN THE CONSTRUCTION ACTIVITIES.

7 AFTER CONSTRUCTION THERE ALWAYS --
8 THERE IS ALWAYS SOME MITIGATION THAT HAS TO
9 HAPPEN. YOU HAVE TO REPAIR OFF-ROAD DAMAGE TO
10 LANDSCAPE, CROPS IF THERE ARE ANY, THAT KIND OF
11 THING. BUT WE INTEND TO KEEP IT TO A MINIMUM.

12 OUR INTENT IS TO USE EXISTING ROADS AS
13 MUCH AS POSSIBLE. TO ONLY BUILD A NEW ROAD
14 WHERE IT'S ABSOLUTELY NECESSARY. AND HAVING
15 DISCUSSIONS WITH ONE CONTRACTOR ABOUT DOING MOST
16 OF THE WORK BY AIR, WHICH WOULD INVOLVE ALMOST
17 NO OR VERY LITTLE TRUCK OR WHEEL OR TRACK
18 TRAFFIC ON THE GROUND.

19 DEPENDING UPON THE CONTRACTOR WE USE,
20 WE WILL PROBABLY BUILD TWO OR THREE STAGING
21 AREAS FOR THE LINE WHERE MATERIAL WILL BE
22 COLLECTED, CONCRETE WILL BE MIXED.

23 IT COULD BE EITHER THEN FLOWN TO THE
24 JOB SITE WHERE EACH TOWER IS BUILT OR IT COULD
25 BE TRUCKED THERE.

26 OBVIOUSLY IF WE DO MOST OF THE WORK BY

1 AIR THERE WILL BE VERY LITTLE IMPACT ON THE
2 GROUND. THE MORE WE DO ON THE GROUND, THE LESS
3 WE DO BY AIR, THE MORE TRUCK TRAFFIC THERE WILL
4 BE, JEEP TRAFFIC, THAT KIND OF THING.

5 THE IDEA WILL BE TO MINIMIZE IT DURING
6 CONSTRUCTION AND CLEAN UP WHATEVER MESS WE HAVE
7 MADE AFTER CONSTRUCTION.

8 AND THEN, OF COURSE, THERE IS ALWAYS
9 MAINTENANCE. THERE IS AERIAL PATROLING OF THE
10 LINE. AND THEN ANNUALLY YOU'VE GOT A CREW THAT
11 GOES THROUGH TO TIGHTEN POLES. THE PEOPLE
12 SHOOTER INSULATORS, THOSE HAVE TO BE REPLACED.
13 THOSE KINDS OF THINGS.

14 BUT THE IDEA IS KEEP THE CONSTRUCTION
15 ACTIVITY WITHIN BOUNDS AND WITHIN REASON AND
16 WITHIN A PLAN THAT'S APPROVED BY B.L.M. AND
17 OTHERS. AND CLEAN UP AS WE GO. THEN WHEN WE
18 ARE ALL DONE MAKE SURE THAT WE DO A FINAL
19 CLEANUP.

20 YES, SIR.

21 MR. CLYDE GOULD: CLYDE GOULD, WELLTON-
22 MOHAWK.

23 I UNDERSTAND THE WESTERN AREA POWERS
24 HAD SOME DISCUSSION WITH N.R.G. RELATIVE TO A
25 PASS IN THE YUMA AREA. COULD YOU ELABORATE UPON
26 WHAT LEVEL OF DISCUSSION THERE HAS BEEN?

1 MR. ROD LEAS: WE HAVE HAD DISCUSSIONS
2 WITH WESTERN AREA POWER, WE HAVE HAD DISCUSSIONS
3 WITH A.P.S., WE HAVE HAD DISCUSSIONS WITH SAN
4 DIEGO, DISCUSSIONS WITH S.R.P.

5 WE HAVE HAD DISCUSSIONS WITH ALL OF THE
6 UTILITIES -- EXCUSE ME, MY VOICE IS GOING --
7 ABOUT EITHER PARTNERING OR IN SOME WAY PROVIDING
8 BACKUP POWER FOR THEIR PROJECT.

9 WE COULD DO JUST ABOUT ANYTHING. AT
10 THIS POINT IN TIME WE HAVE THE FREEDOM TO FORM
11 WHATEVER ASSOCIATIONS ARE BENEFICIAL TO THE
12 PROJECT, TO THE AREA. WE HAVE NO ASSOCIATIONS
13 FORMED. WE ARE IN DISCUSSIONS WITH A LOT OF
14 PEOPLE. BUT THOSE ARE BUSINESS DECISIONS THAT
15 WILL EVOLVE AS TIME GOES ALONG.

16 AND SO REALLY AT THIS POINT ALL WE HAVE
17 HAD ARE DISCUSSIONS AND THEY ARE ONGOING.

18 MR. ROBERT EVANS: ART, I INTRODUCED
19 YOU IN YOUR ABSENCE. ART GASTELUM, COULD YOU
20 RAISE YOUR HAND JUST SO EVERYONE NOTICES?

21 ART IS WITH GATEWAY SCIENCE AND
22 ENGINEERING.

23 I AM GOING TO TAKE YOU THROUGH A
24 WHIRLWIND TOUR OF THE -- ED, IF YOU CAN SHOW
25 THE -- OF THE SCHEDULING, TALK ABOUT SOME OF THE
26 LICENSING ACTIVITIES THAT WE ARE INVOLVED WITH.

1 WHAT WE ARE PLANNING ON DOING AS FAR AS
2 RIGHT-OF-WAY ACQUISITION, JUST CONSTRUCTION,
3 SCHEDULE, COMMISSIONING.

4 AS FAR AS THE CRITICAL LICENSES,
5 BASICALLY WE HAVE GOT U.S. AND MEXICO. AS FAR
6 AS THE FEDERAL, THIS ISN'T AN ALL-INCLUSIVE
7 LIST, BUT THESE ARE SOME MAJOR THINGS.

8 WE DON'T PRETEND TO KNOW EVERYTHING
9 ABOUT ALL OF THE LICENSING ACTIVITIES THAT ARE
10 REQUIRED DOWN SOUTH. WE HAVE GOT HELP THAT'S
11 ADVISING US ON THESE THINGS. BUT IF ANYONE SEES
12 SOMETHING THAT'S OBVIOUSLY MISSING WE WOULD LOVE
13 TO BE ABLE TO HAVE YOU SAY, OOPS, YOU DUMMIES,
14 YOU NEED TO ADD THIS THING ON THERE.

15 BUT ANYWAY, AS FAR AS -- ELLEN HAS
16 TALKED ABOUT THE PRESIDENTIAL PERMIT. WE HAVE
17 TO GET AN AUTHORIZATION TO EXPORT ELECTRICITY
18 ALSO FROM D.O.E.

19 THE PLAN AMENDMENT FROM B.L.M. WE HAVE
20 GOT TO GET RIGHT-OF-WAY GRANTS AND TEMPORARY USE
21 PERMITS FROM B.L.M. AND B.I.A. ALSO FLOODPLAIN
22 USE PERMITS.

23 MR. ED PENTECOST: BOB, IF I MIGHT JUST
24 ASK A QUESTION.

25 I NOTICED SOMEONE FROM THE
26 INTERNATIONAL BOUNDARY WATER COMMISSION IS HERE.

1 WILL A PERMIT BE NEEDED FROM YOUR
2 ORGANIZATION?

3 MS. TANYA MIKITA: POSSIBLY. I KNOW
4 SOMEONE FROM BOSE JUST CONTACTED US BECAUSE THEY
5 WANT TO PUT SOME UNDERGROUND UTILITY ACROSS THE
6 BORDER AND THEY HAD TO GET PERMISSION FROM US
7 AND MEXICO. SO THAT MAY BE.

8 MR. ED PENTECOST: IF YOU COULD CHECK
9 AND LET ONE OF US KNOW, WE WOULD APPRECIATE IT.

10 MR. ROBERT EVANS: AND WE WOULD LOVE TO
11 DESCRIBE THAT CROSSING TO YOU IN GREATER DETAIL
12 SO THAT YOU CAN ADVISE US.

13 LET'S -- WE CAN GET THE NEXT.

14 AS FAR AS ARIZONA GOES, WE NEED TO GET
15 A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY.
16 WE HAVE GOT TO GET RIGHT-OF-WAY PERMITS ACROSS
17 THE STATE LANDS.

18 AS FAR AS CALIFORNIA WE HAVE GOT TO GET
19 -- WE'VE GOT TO SHOW -- DEMONSTRATE C.E.Q.A.
20 THAT -- C.E.Q.A. COMPLIANCE. THAT IS THE
21 CALIFORNIA ENVIRONMENTAL EQUALITY ACT
22 COMPLIANCE.

23 LOCAL APPROVALS. WE ARE STILL WORKING
24 TO IDENTIFY THOSE.

25 AS FAR AS THE MEXICAN PROCESSES, WE
26 HAVE GOT TO GET AN AUTHORIZATION TO IMPORT

1 ELECTRICITY. AND WE ALSO HAVE TO CONDUCT AN
2 ENVIRONMENTAL IMPACT OR GET AN ENVIRONMENTAL
3 IMPACT AUTHORIZATION SIMILAR TO AN ENVIRONMENTAL
4 IMPACT ASSESSMENT.

5 OTHER LICENSING THINGS. WE'VE GOT A
6 WHOLE LOT OF COMPLIANCE DEMONSTRATIONS THAT ED
7 WILL BE -- AND HIS TEAM WILL BE TALKING ABOUT IN
8 TERMS OF ENDANGERED SPECIES, S.H.P.O.
9 DEMONSTRATIONS. ALL KINDS OF DIFFERENT THINGS.
10 AND I WON'T STEAL ED'S THUNDER.

11 AS WELL, WE HAVE GOT TO GET A WHOLE
12 BUNCH OF CROSSING PERMITS. HIGHWAYS, SPECIAL
13 HABITATS, WATERWAYS. AND I HAVE ALREADY TALKED
14 ABOUT SOME OF THE PUBLIC AND INDIAN LANDS.

15 JUST A REALLY BROAD SCHEDULE OF THINGS.
16 I HAVE KIND OF DIVVIED THESE UP INTO PRE-E.I.S.,
17 DRAFT E.I.S. STAGE, THE POST-E.I.S. STAGE.

18 BUT AS FAR AS THE PRE GOES, WE ARE IN
19 THE PROCESS, AS I SAID, OF IDENTIFYING ALL THE
20 ACTIVITIES THAT WE NEED TO PURSUE AND THE
21 AFFECTED, YOU KNOW -- I HAVE USED AFFECTED
22 AGENCIES. JUST FROM OUR PERSPECTIVE THOSE
23 AGENCIES ARE AFFECTED. BUT -- AND WE ARE
24 WELCOMING ANY INPUT FROM ANYONE HERE INTO THINGS
25 THAT WE MISS OR THAT YOU DON'T HEAR.

26 WE ARE -- AS ROD MENTIONED, HE HAS

1 TALKED WITH C.F.E., THE GOVERNMENTAL. WE DID
2 HAVE SOME APPROVALS BEFORE THE GOVERNMENT
3 CHANGED. AND WE HAD TO GO BACK AND REACTIVATE
4 THOSE. SO WE WILL BE INITIATING SOME WORK ON
5 THE E.I.A. PROCESS.

6 JIM CLOUD IS HERE AND CAN TALK ABOUT
7 SOME OF THE RIGHT-OF-WAY ACQUISITION PROCESSES.

8 JIM, CAN YOU IDENTIFY WHERE YOU -- WHAT
9 YOU HAVE DONE WITH RESPECT TO RIGHTS-OF-WAY,
10 IDENTIFYING PROPERTIES, AND WHERE YOU STAND AT
11 THIS POINT?

12 MR. JIM CLOUD: YES, I WOULD BE GLAD
13 TO.

14 I HAVE GONE OUT AND RESEARCHED THE
15 OWNERSHIPS. I KNOW ALL OF THE PRIVATE LANDS
16 THAT ARE RESPECTIVE CORRIDORS THAT MIGHT IMPACT
17 ON.

18 I HAVE SUBMITTED A PRELIMINARY
19 APPLICATION TO THE STATE OF ARIZONA TO START THE
20 PROCESS IN ACQUIRING THE RIGHT-OF-WAY ACROSS
21 STATE LANDS.

22 I HAVE CONTACTED TITLE COMPANIES TO
23 MAKE SURE THAT WE CAN OBTAIN TITLE INSURANCE AND
24 EVIDENCE OF OWNERSHIP PRIOR TO BEGINNING OF
25 NEGOTIATIONS.

26 I HAVE INVESTIGATED COMPARABLE SALES SO

1 I HAVE A ROUGH IDEA OF WHAT PROPERTY IS WORTH.
2 AND I AM IN CONTACT WITH THE LOCAL
3 ENGINEERING COMPANY TO HELP US PREPARE TRACT
4 MAPS AND LEGAL DESCRIPTIONS.

5 I HAVE TAKEN EVERY STEP THAT I CAN
6 THINK OF, SHORT OF CONTACTING OWNERS. THAT IS
7 THE VERY NEXT STAGE THAT WE WILL BE INTO WHEN
8 N.R.G. TELLS ME TO GO AHEAD AND START.

9 MR. ROBERT EVANS: WE ANTICIPATE THAT
10 THAT SIGNAL WILL GO OUT RELATIVELY SOON.

11 AS WELL, WE NEED TO START PREPARING
12 SUBMITTALS TO THE ARIZONA CORPORATION COMMISSION
13 RELATED TO THE CERTIFICATE OF ENVIRONMENTAL
14 COMPATIBILITY. THAT'S KIND OF THE PRE-DRAFT
15 STAGE.

16 AS FAR AS POST-DRAFT E.I.S., WE THEN
17 EXPECT TO HAVE A DOCUMENT THAT WE CAN PUT IN THE
18 HANDS OF OUR LICENSING AGENCIES, ESTABLISH
19 FORMAL CONTACT WITH THEM.

20 AND I HAVE GOT TO INITIATE PREPARATION
21 OF APPLICATION, BUT THIS IS JUST ACTUALLY WORK
22 TOWARDS FINALIZING WHAT THOSE APPLICATIONS ARE
23 AND GETTING THEM SUBMITTED.

24 WE HAVE TO IDENTIFY A C.E.Q.A. SPONSOR.
25 AND THE ISSUES THAT WE -- WE HAVEN'T DONE THIS
26 IN CALIFORNIA YET, BECAUSE WE KNOW THAT EL

1 CENTRO WOULD HAVE A LOT TO BE CONCERNED ABOUT
2 AND THEY WOULD REALLY BE VERY INTERESTED IN THE
3 NORTHERN ROUTE ACROSS -- I MEAN THE SOUTHERN
4 ROUTE ACROSS CALIFORNIA.

5 IF, AS ROD HAS INDICATED, WE ARE ABLE
6 TO MOVE SOUTH AT THIS POSITION JUST OUTSIDE THE
7 FORT YUMA INDIAN RESERVATION -- SOUTH AND INTO
8 THE BAJA -- EL CENTRO PROBABLY WON'T HAVE ANY
9 INTEREST IN SPONSORING US.

10 SO, IN ANY CASE, ONCE WE FIND OUT FROM
11 THE RESEARCH THAT ARGONNE IS DOING AND THE
12 PREPARATION OF THE E.I.S. WHAT ARE THE
13 ENVIRONMENTALLY MOST ADVANTAGEOUS ROUTES, THEN
14 IS WHEN WE WILL MAKE FORMAL MOVES ON IDENTIFYING
15 THE SPONSORS.

16 WE WILL FILE THE CERTIFICATE OF
17 ENVIRONMENTAL COMPATIBILITY WITH THE ARIZONA
18 CORPORATION COMMISSION, AS WELL.

19 THE FINAL SCHEDULE IS ONCE WE GET A
20 FINAL E.I.S. WE WILL AMEND ALL THE APPLICATIONS,
21 MAKE SURE THAT WE REPLACE THE DRAFT E.I.S. IN
22 THE AGENCIES WHERE WE HAVE SUBMITTED
23 APPLICATIONS.

24 THE POST RECORD OF DECISION WILL EXPECT
25 THAT LICENSING DECISIONS CAN MOVE FORWARD.

26 OUR CONSTRUCTION TARGET IS SUMMER OF

1 2000 TO BEGIN. AS ROD MENTIONED, WE WANT TO TRY
2 AND COMMISSION THE LINE LATE SPRING OR EARLY
3 SUMMER 2001.

4 AS FAR AS CONCLUSIONS GO, THIS IS -- WE
5 HAVE GOT SOMETHING STARTED, WE INTEND TO FINISH
6 IT. THAT'S OUR M.O.

7 WE ARE SMART ENOUGH TO KNOW WE DON'T
8 KNOW EVERYTHING ABOUT THIS, AND THAT'S WHY
9 WE'RE -- THAT'S WHY SUCH A BIG TEAM FROM N.R.G.
10 AND GATEWAY ARE HERE TODAY, AND THAT IS TO MAKE
11 SURE THAT WE HEAR ISSUES, WE GET THEM MARKED
12 DOWN SO THAT WE CAN PROCEED IN A LEGITIMATE WAY
13 AS FAR AS LICENSING PROCESSES GO.

14 WE HAVE HIRED GOOD FOLKS. JIM CLOUD,
15 MICKEY SIEGEL HAVE BEEN GREAT HELP. ARGONNE HAS
16 BEEN VERY DILIGENT IN DOING THE WORK.

17 AND THEN FINALLY WE HAVE GOT -- WE ARE
18 LOOKING FROM THE PEOPLE ASSEMBLED HERE TO
19 ACTUALLY WORK IN PARTNERSHIP WITH US TO HELP US
20 IDENTIFY THINGS THAT WE NEED TO BE CONCERNED
21 ABOUT.

22 WITH THAT, OUR PART OF THE PRESENTATION
23 IS DONE. IF THERE ARE ANY QUESTIONS, FEEL FREE
24 TO ASK THEM AT THIS POINT IN TIME. WE WILL BE
25 AROUND ALL DAY.

26 SO THANK YOU, ED.

1 MR. ED PENTECOST: OKAY, BOB.

2 I MIGHT MENTION THAT ROUGHLY HALF OF MY
3 TEAM IS HERE, BECAUSE OF THE EXPENSE OF LONG
4 DISTANCE AND PEOPLE WORKING AT HOME ON THE
5 PROJECT, THERE'S JUST THREE OF US. BUT WE HAVE
6 A TEAM OF SIX. WE ARE COVERING ALL OF THE --
7 ALL OF THE DISCIPLINES THAT ARE NORMALLY
8 ADDRESSED IN AN E.I.S.

9 AS YOU HAVE HEARD, A PRESIDENTIAL
10 PERMIT WAS FILED LAST AUGUST WITH THE DEPARTMENT
11 OF ENERGY. PRESIDENTIAL PERMIT APPLICATION, I
12 SHOULD SAY, WAS FILED.

13 AT THAT TIME THE PROPOSED ROUTE, AS IS
14 NORMALLY THE CASE, IDENTIFIED IN THIS DOCUMENT,
15 WAS TO GO -- TO PARALLEL THE EXISTING 500 K.V.
16 LINE ALL THE WAY OUT THROUGH THE IMPERIAL SAND
17 DUNES AND THEN TO BREAK OFF FROM THAT SAN DIEGO
18 GAS & ELECTRIC LINE IN THE AREA OF KIND OF THE
19 EAST HIGHLINE CANAL TO A POINT JUST EAST OF
20 CALEXICO AND GO STRAIGHT SOUTH INTO MEXICO TO
21 THE CETYS SUBSTATION.

22 IT LOOKS LIKE, FROM OUR ANALYSIS, THAT
23 THAT'S PROBABLY NOT GOING TO BE AS
24 ENVIRONMENTALLY ACCEPTABLE AS SOME OF THE OTHER
25 ALTERNATIVES.

26 WE ARE NOT AT THE POINT WHERE I CAN

1 STATE UNEQUIVOCALLY THAT ONE ROUTE IS BETTER
2 THAN THE OTHER.

3 BUT HOPEFULLY BY THE DRAFT AND
4 CERTAINLY BY THE FINAL -- I KNOW THE E.I.S.
5 RULES REQUIRE THIS AND MAYBE B.L.M. DOES, AS
6 WELL -- THAT YOU HAVE TO STATE WHAT YOUR
7 ENVIRONMENTALLY-PREFERRED ALTERNATIVE IS IN THE
8 E.I.S. ITSELF.

9 SO I THINK WE WILL BE ABLE TO DO THAT
10 AT THE DRAFT STAGE.

11 THREE ALTERNATE ROUTES ARE BEING
12 EVALUATED IN THE E.I.S. AND I AM USING THE WORD
13 "ALTERNATE" INSTEAD OF "ALTERNATIVE" NOT TO
14 CONFUSE IT WITH THE N.E.P.A. STANDPOINT.

15 I GUESS FROM A N.E.P.A. STANDPOINT
16 D.O.E. EITHER GRANTS THE PRESIDENTIAL PERMIT OR
17 THEY DO NOT.

18 SO THE ALTERNATIVE THERE WOULD BE NOT
19 -- NO ACTION AT ALL. THE DO-NOTHING AS OPPOSED
20 TO GRANTING A PERMIT.

21 NEXT SLIDE.

22 WHAT WE DID ON DECEMBER 2ND OF LAST
23 YEAR WAS TO FLY THE ROUTE.

24 AND, ROD, I BELIEVE YOU WERE IN THAT
25 PLANE AS WAS MICKEY SIEGEL AND KIRK LAGORY OF MY
26 TEAM.

1 WE THOUGHT IT WOULD MAKE A GOOD
2 OVERVIEW PRESENTATION TO TAKE A FEW OF THOSE
3 COLOR PHOTOGRAPHS, SCAN THEM IN OUR SCANNER AND
4 SAVE THEM AS FILES AND KIND OF SHOW YOU WHAT THE
5 LAY OF THE LAND IS, SO TO SPEAK, ALONG THE WAY.

6 THIS IS THE PALO VERDE SWITCH YARD. SO
7 WHAT YOU WILL SEE I HAVE DONE IN A LOT OF THESE
8 TO GET A LARGER IMAGE IS TO DELETE THE CAPTION.
9 SO I WILL FOLLOW IT WITH A SIMILAR PHOTO THAT'S
10 A LITTLE LARGER.

11 NOW, THERE'S SOME OTHER ENTITIES THAT
12 ARE INTERESTED IN TAPPING INTO THE PALO VERDE
13 SWITCH YARD, SO THERE IS A MOVE AFOOT HERE TO
14 ACQUIRE MORE LAND, WHICH I BELIEVE IS DOWN --
15 DOWN IN THIS AREA THAT WILL BE NEEDED TO ADD TO
16 THE SWITCH YARD.

17 NEXT SLIDE.

18 THIS IS A LITTLE CLOSER VIEW. AS YOU
19 CAN SEE, IT'S PRETTY TIGHT THERE.

20 AND DON'T GET THE IMPRESSION THAT ALL
21 THE POWER IS COMING FROM THE PALO VERDE NUCLEAR
22 PLANT. IT'S SORT OF LIKE AS TONY COMO OF D.O.E.
23 SAYS, IT'S LIKE A BATHTUB FULL OF WATER WITH
24 SEVERAL HOSES GOING IN, AND YOU ARE TAPPING OUT
25 OF THAT TUB FULL OF WATER. WHERE DID THIS DROP
26 OF WATER COME FROM VERSUS ANOTHER. SO THERE'S

1 SEVERAL -- SEVERAL LINES COMING IN HERE
2 PRODUCING THE POWER.

3 AND, ELLEN, MAYBE I SHOULD MENTION HERE
4 THAT IN CASE ANYONE'S WONDERING, THERE IS A
5 RELIABILITY ANALYSIS THAT'S DONE BEFORE A
6 PRESIDENTIAL PERMIT IS GRANTED. AND THAT
7 BASICALLY IS TO SAY IT'S OKAY TO ALLOW THE POWER
8 TO GO OUT OF THE COUNTRY OR, NO, IT ISN'T. IF
9 IT HAPPENS THERE WILL BE AN ELECTRICAL
10 RELIABILITY PROBLEM.

11 WE DON'T DO THAT. THAT'S DONE AT
12 D.O.E. HEADQUARTERS.

13 MS. ELLEN RUSSELL: THAT'S DONE ON A
14 SEPARATE TRACK.

15 MR. ED PENTECOST: OKAY, NEXT SLIDE.

16 THERE IS A RAILROAD SPUR HEADING DUE
17 SOUTH FROM THE NUCLEAR POWER PLANT, AND THE
18 EXISTING LINE RUNS ALONG THAT SPUR.

19 I GUESS THAT'S WHAT BRINGS SUPPLIES OUT
20 TO IT. IT'S A BRANCH OF THE SOUTHERN PACIFIC OR
21 AN OFFSHOOT OF THE SOUTHERN PACIFIC RAILROAD
22 THERE.

23 NEXT SLIDE.

24 DOWN AT ABOUT MILEPOST 10 -- AND I
25 AM -- IN THE DOCUMENT WE WILL USE MILEPOST
26 NUMBERS TO REFER BACK AND WE WILL HAVE LINKS

1 IDENTIFIED SO THAT WE WILL KNOW HOW MANY MILES,
2 YOU KNOW, ARE IN EACH LINK. AND AS WE ARE
3 REFERRING IN OUR VARIOUS SECTIONS TO A PORTION
4 OF THE LINE, HOPEFULLY YOU WILL BE ABLE TO
5 FOLLOW A LITTLE EASIER. WE WILL HAVE A DIAGRAM
6 SHOWING THIS.

7 THIS IS OUT AT ABOUT THE 10TH MILE.
8 DOWN ABOUT MILEPOST 5, 6, 7 THERE'S A LARGE
9 WASH -- CENTENNIAL WASH TO CROSS. WE HAVE A LOT
10 OF PHOTOS OF THAT AREA. ONE OF THE LARGEST
11 WASHES I THINK THAT WILL BE CROSSED.

12 BUT THIS IS A DIRT ROAD THAT RUNS OUT
13 THROUGH THE DESERT. THERE IS AN ACCESS ROAD
14 ALONG THE SOUTHERN PACIFIC RAILROAD ALMOST ITS
15 ENTIRE LENGTH. AND HERE YOU CAN SEE PROBABLY
16 THE OLD CONSTRUCTION ROAD, THE MAINTENANCE ROAD
17 THAT'S BEEN ALONG THE TOWER. I THINK WE HAVE A
18 COUPLE MORE SHOTS OF THAT, JIM.

19 NOW, BETWEEN MILEPOST 10 AND 16 -- AND
20 JIM AND I, WE WERE DRIVING THIS ROUTE BACK IN
21 DECEMBER. AND WE HAD FOUR-WHEEL DRIVE THAT GOT
22 US AS FAR AS WE COULD, THEN HAD TO GET BACK TO
23 THE RAILROAD ACCESS.

24 I THINK WE GOT DOWN TO ABOUT MILEPOST
25 16 OR 15 BEFORE THE WASHES WERE JUST TOO STEEP
26 TO CROSS TO FOLLOW THE LINE.

1 IF YOU LOOK CLOSELY YOU CAN TELL THIS
2 IS A GOOD SLIDE BECAUSE IT SHOWS YOU KIND OF THE
3 AMOUNT OF DISTURBANCE THAT WAS NEEDED AROUND
4 WHEN THE EXISTING LINE WAS PUT IN.

5 HERE IS A TOWER. ANOTHER TOWER HERE.
6 PROBABLY ANOTHER ONE DOWN IN HERE. I CAN'T SEE
7 IT FROM WHERE I AM STANDING. OVER HERE. SEE,
8 THESE LITTLE LIGHT BROWN AREAS. JUST ENOUGH
9 ROOM TO SET THE TOWER ON.

10 MAYBE YOU CAN SEE A LITTLE BETTER HERE.

11 OKAY. THIS SLIDE I HAVE GOT A COUPLE
12 OF BLOWUPS ON. DOWN JUST SLIGHTLY FURTHER THERE
13 ARE THREE WASHES THAT ARE CROSSED.

14 THE FIRST IS THE YELLOW MEDICINE WASH.
15 I THOUGHT THIS WAS A GOOD SLIDE TO ILLUSTRATE
16 THE POINT THAT WE ARE NOT PLANNING ON NEW ACCESS
17 ROADS, AND WHEREVER POSSIBLE THAT WILL BE
18 AVOIDED.

19 I THINK YOU CAN SEE HERE AGAIN THE
20 RAILROAD SPUR. THE ACCESS ROAD ALONG THE -- JIM
21 AND I DROVE ALONG THE TRACK. AND THEN YOU WILL
22 NOTE AN ACCESS HERE. I THINK I HAVE GOT A
23 COUPLE MORE SLIDES THAT SHOW THAT AS A BLOWUP.

24 SO IT WOULD BE POSSIBLE TO GET IN.
25 THIS IS A SHORT DISTANCE HERE. I WOULD JUST
26 GUESS JUST A FEW HUNDRED FEET. IT WOULD BE VERY

1 EASY TO GET IN AT THAT LOCATION TO PARALLEL
2 THIS. AND WE WOULD BE GOING ON THE NORTH SIDE
3 OF THIS LINE.

4 NEXT SLIDE.

5 BY THE WAY, AS YOU ALL KNOW, LIVING OUT
6 HERE, WE FOUND TIRE TRACKS IN ALMOST EVERY WASH
7 WE LOOKED AT. SO THE OFF-ROAD VEHICLES ARE
8 RAMPANT HERE.

9 I AM NOT SURE WHAT WE HAD DOWN HERE.
10 AN OLD CAR AND CORRAL AND A COUPLE OF OTHER
11 STRUCTURES ALONG THE WAY.

12 BUT UP IN THIS STRETCH THERE IS VERY
13 LITTLE IN THE WAY OF HUMAN HABITATION. NO
14 RESIDENCES.

15 IN APRIL THERE WAS AN AERIAL FLY-OVER
16 OF THE PROPOSED ROUTE WITH THE FIRM --
17 CONTRACTOR TO DAMES & MOORE TO DO THIS AND WE
18 LOOKED AT THESE AERIAL PHOTOS TO TRY TO IDENTIFY
19 ANY STRUCTURES WITHIN A MILE OF THE EXISTING
20 ROUTE.

21 WE HAVE THAT ALL TABULATED AND WE WILL
22 USE THAT IN OUR ANALYSIS.

23 THERE AGAIN YOU SEE THE UNDER
24 CONSTRUCTION ROAD AND USE FOR MAINTENANCE OUT IN
25 THE WILD MILK WASH AREA.

26 NEXT SLIDE.

1 WE HAD A BLOWUP OF THAT AREA.

2 WE GET DOWN TO -- IF YOU CAN TAKE
3 INTERSTATE 8 GOING EAST AND YOU GET OFF AT THE
4 DATELAND EXIT, IT'S A PAVED ROAD UP TO THIS
5 POINT AND THEN ON EAST OF THAT IT'S A DIRT ROAD
6 AS WE HEAD DOWN THE LINE TOWARDS HYDER.

7 THE NEXT SLIDE WILL SHOW THE COTTON GIN
8 A LITTLE CLOSER.

9 THIS APPEARED TO BE -- BACK IN JANUARY,
10 DECEMBER WHEN THIS WAS TAKEN APPEARED TO BE
11 ACTIVELY IRRIGATED LAND ON THE NORTH SIDE OF THE
12 SOUTHERN PACIFIC RAILROAD.

13 THIS IS ONE OF TWO AREAS I WOULD SAY IN
14 MARICOPA COUNTY WHERE THE HOUSES WERE CLOSEST.
15 THERE WAS SOMEONE ACTUALLY LIVING IN ONE OF
16 THESE STRUCTURES HERE WHICH WAS WITHIN I WOULD
17 SAY ABOUT 200 FEET, ROD, WOULDN'T YOU THINK OF
18 THE LINE THERE?

19 SO HERE I GUESS IT'S STILL -- IT'S A
20 QUESTION OF WHETHER YOU -- YOU WOULD PROBABLY BE
21 SOUTH OF THE RAILROAD TRACK WITH THE LINE,
22 BUT --

23 MR. ROD LEAS: OUR LINE WOULD BE NORTH
24 OF THE TRACK.

25 MR. ED PENTECOST: IT WOULD BE NORTH OF
26 THE TRACK. OKAY.

1 MR. ROD LEAS: THERE IS AN AREA RIGHT
2 IN HERE THAT ED IS DESCRIBING WHERE WHEN THE
3 ORIGINAL LINE WAS BUILT IT WAS ACTIVE
4 AGRICULTURE.

5 THAT AGRICULTURE IS NO LONGER ACTIVE,
6 ACCORDING TO JIM CLOUD, AND WE CAN ROUTE OUR
7 LINE TO THE NORTH OF THE RAILROAD.

8 THAT'S GOOD, BECAUSE IF WE HAD TO COME
9 SOUTH OF THE RAILROAD WE WOULD HAVE TO DO MORE
10 TOWER SWAPS LIKE I DESCRIBED THROUGH THE
11 COLORADO RIVER.

12 THOSE TOWER SWAPS GET TO BE EXPENSIVE
13 BECAUSE WE HAVE TO BUILD NEW TOWERS THAT CAN
14 STAND ANGLES. WE HAVE TO GO BACK ONE STAND AND
15 MODIFY OR CHANGE OUR DEAD TOWERS, TOO.

16 SO IT'S REALLY GOOD IF WE CAN STAY ON
17 THE NORTH SIDE. WE FEEL CONFIDENT WE DO NOT
18 HAVE TO GO SOUTH OF THE LINE ANYWHERE EXCEPT
19 JUST WEST OF THE FORT YUMA RESERVATION.

20 MR. ED PENTECOST: OKAY. NO ONE IS
21 HERE REPRESENTING THE RAILROAD. THE FEW TIMES
22 WE HAVE BEEN OUT HERE LOOKING AROUND IT SEEMS
23 LIKE THE SOUTHERN BRANCH OF THE SOUTHERN
24 PACIFIC -- I HAVE ALWAYS SEEN TRAINS ALONG THERE
25 AS WE ARE GOING UP AND DOWN I-8. BUT I DON'T
26 THINK WE SAW A SINGLE TRAIN ON THIS STRETCH. SO

1 IT MUST STILL BE USED.

2 DOES ANYONE KNOW?

3 MR. DAVE DANIELS: I THINK THEY QUIT
4 USING IT A FEW YEARS AGO AFTER THAT WRECK.

5 MR. ED PENTECOST: SO YOU DON'T THINK
6 IT'S BEEN USED THAT MUCH THEN RECENTLY.

7 YES, SIR.

8 MR. CLYDE GOULD: CLYDE GOULD, WELLTON
9 MOHAWK.

10 IT IS BEING USED, BUT IT'S VERY
11 MINIMAL USE. I DON'T THINK THE RAILROAD INTENDS
12 TO DO EXTENSIVE MAINTENANCE ON THE TRACKS. BUT
13 THERE IS NO LONGER ANY PASSENGER SERVICE.

14 MR. ED PENTECOST: THANK YOU VERY MUCH.

15 NEXT SLIDE.

16 THOSE OF YOU WHO LIVE OUT HERE WILL
17 RECOGNIZE THIS FAMOUS LANDMARK TEXAS HILL. I
18 DON'T KNOW HOW IT GOT THAT NAME, BUT IT'S THERE.
19 YOU CAN SEE IT FROM ALL AROUND.

20 THIS IS AN INTERESTING AREA. THE GILA
21 RIVER DOWN HERE. PROBABLY AT THIS POINT THE
22 PLANE'S DIRECTLY OVER THE EXISTING LINE.

23 JIM AND I DROVE THIS AREA. IT'S ABOUT
24 FIVE MILES OF WHAT WE CALL KLOTHOS DUNES WHERE
25 THERE IS MESQUITE AND THE WIND HAS BLOWN SAND UP
26 AROUND THE MESQUITE. AND IT'S VERY, VERY

1 INTERESTING DESERT IN BETWEEN.

2 SO WE TRAMPED AROUND THAT AREA AND
3 LOOKED AT THE EXISTING LINE THROUGH THERE.

4 SO IT WOULD BE JUST OFF THE SCREEN, AS
5 WE SEE IT HERE.

6 NEXT SLIDE.

7 THEN WE GET INTO THE MUGGINS MOUNTAINS.
8 AND I THOUGHT THIS WAS A GOOD SLIDE, AND I THINK
9 THE NEXT ONE IS A BLOWUP OF IT.

10 BACK WHEN THE EXISTING LINE WAS BUILT
11 YOU SEE THE TWO TOWERS HERE. THEY MUST HAVE --
12 THIS MUST HAVE BEEN A MAJOR WORK AREA WHEN YOU
13 LOOK AT THE DISTURBANCE THERE. THEY MUST HAVE
14 LAID DOWN -- MUST HAVE BEEN A LAY-DOWN AREA
15 CONSTRUCTION YARD OR SOMETHING FOR IT. BECAUSE
16 MOST OF THESE THERE WAS JUST ENOUGH DISTURBANCE
17 TO PLACE THE TOWER AND TO HAVE A ROAD UP THERE
18 TO IT.

19 NOW, SOME OF THE B.L.M. FIELD OFFICE
20 FOLKS HERE IN YUMA WENT OUT WITH US INTO THE
21 LAGUNA MOUNTAINS, AND WE WERE DRIVING THESE
22 RIDGES. AND SOME OF US EASTERNERS WERE A LITTLE
23 BIT FRIGHTENED BECAUSE THERE DIDN'T SEEM TO BE
24 MUCH ROOM ON EITHER SIDE GETTING UP THERE.

25 SO I DON'T KNOW WHAT THAT WOULD BE LIKE
26 WITH CONSTRUCTION EQUIPMENT. BUT I AM SURE THEY

1 KNOW HOW TO DO IT.

2 THIS MIGHT BE AN AREA WHERE HELICOPTERS
3 WOULD BE NEEDED. BUT YOU WOULD STILL HAVE TO
4 COME IN WITH SOME KIND OF VEHICLE TO BRING THE
5 CONCRETE IN FOR THE FOOTERS.

6 MR. ROD LEAS: WELL, THAT CAN ALSO BE
7 MOVED IN WITH A HELICOPTER.

8 MR. ED PENTECOST: REALLY? JUST BRING
9 IN A DRILL RIG TO DRILL THE HOLE, THEN DROP THE
10 FOOTER IN?

11 MR. ROD LEAS: YOU BRING EVERYTHING IN
12 WITH THE HELICOPTER. YOU BRING IN THE DRILL
13 RIGS, BRING IN THE CEMENT.

14 MR. ED PENTECOST: AND THE PEOPLE
15 DROPPED IN BY HELICOPTERS, AS WELL? OKAY,
16 THANKS A LOT.

17 THE LINE WILL GO AROUND THE NORTH EDGE
18 OF THE MUGGINS MOUNTAIN WILDERNESS AREA. WE
19 DON'T BELIEVE THAT'S GOING TO BE A PROBLEM THERE
20 AS FAR AS PEOPLE ACCESS, BECAUSE IT'S IN THE
21 YUMA -- THAT'S THE STRETCH THAT WILL BE IN THE
22 THE YUMA PROVING GROUND.

23 THERE'S TWO OR THREE PLACES WHICH I
24 WILL SHOW YOU ON THE MAP -- IN ADDITION TO THIS
25 CUTOFF POINT THAT ROD MENTIONED EARLIER -- TWO
26 OR THREE PLACES WHERE THE EXISTING LINE AND

1 PROPOSED LINE WOULD JUST TRANSECT A SMALL PIECE
2 ALONG THE EDGE OF THE YUMA PROVING GROUND.
3 THIS IS ONE. THIS IS PROBABLY KLOTHOS
4 TEMPLE HERE LOOKING TO THE SOUTH. THAT'S RIGHT
5 ALONG THE NORTHERN EDGE OF THE MUGGINS MOUNTAIN
6 WILDERNESS AREA.

7 B.L.M. YUMA TELLS US ABOUT 600 PEOPLE A
8 YEAR ESTIMATE USE THE MUGGINS MOUNTAINS
9 WILDERNESS AREA. IT'S MOSTLY THOSE HARD-CORE
10 HIKERS WHO LIKE TO GET OUT AND MAYBE ROCK CLIMB
11 OR JUST HAVE PEACE AND QUIET OF ENJOYING NATURE
12 AT ITS BEST.

13 NEXT SLIDE.

14 THERE AGAIN, I THINK WE CAN SEE SOME OF
15 THE SWITCHBACKS HERE NEEDED TO GET IN TO PUT THE
16 TOWER IN. SO THEY MUST HAVE COME IN BY VEHICLE
17 IN THIS AREA.

18 NEXT SLIDE.

19 A LITTLE CLOSER VIEW.

20 NOW WE ARE IN THE LAGUNA MOUNTAINS.
21 THIS AREA IS FAIRLY INACCESSIBLE. I THINK WE
22 ARE PROBABLY OVER ON THE PROVING GROUNDS. WE
23 MAY BE JUST TO THE WEST OF U.S. 95 HERE. I
24 COULDN'T GET AN EXACT LOCATION ON THAT.

25 NEXT SLIDE.

26 HERE IS THE EXAMPLE OF WHAT I WAS

1 TALKING ABOUT EARLIER. THERE'S JUST ENOUGH
2 SPACE TO PUT THE TOWER. AND RON WILL BE TALKING
3 ABOUT SOME OF THESE A LITTLE LATER LOOKING AT
4 SOME OF THE EROSION THAT DOES OCCUR.

5 THESE ARE THINGS THAT CAN BE MITIGATED,
6 BUT IT'S STILL -- IT'S STILL SOMETHING THAT DID
7 OCCUR ALONG AN EXISTING LINE THAT WE WILL BE
8 ADDRESSING.

9 WE WILL TRY TO BE AS THOROUGH AS WE
10 CAN, BUT REASONABLE WITH RESPECT TO HOW ONE
11 MIGHT FIX ANY PROBLEMS THAT OCCUR DURING
12 CONSTRUCTION.

13 NEXT SLIDE.

14 NOW, I SCANNED PARTS OF THE PHOTO, NOT
15 KNOWING WHAT WE WOULD HAVE HERE. I THOUGHT I
16 WOULD GO BACK OVER THIS AND MAYBE, YOU KNOW, IF
17 WE REVIEW WHERE WE ARE WITH SOME OF THESE PHOTOS
18 IT WILL HELP YOU ALL.

19 THE PROPOSED ROUTE RUNS DOWN TO THE
20 NORTH GILA STATION, UP ACROSS THE NORTHERN EDGE
21 OF THE FORT YUMA RESERVATION.

22 AND ONE OF THE ALTERNATIVES, ALTERNATE
23 ROUTE "B" -- ALTERNATES, I SHOULD SAY -- IS THIS
24 THREE TO FOUR-MILE STRETCH HERE ACROSS A CORNER
25 OF THE YUMA PROVING GROUNDS TO AN AREA JUST
26 ABOVE THE -- OR SOUTH OF THE BUREAU OF

1 RECLAMATION'S QUARRY THERE, WHICH YOU'LL SEE IN
2 SOME AERIAL PHOTOS.

3 WE DO KNOW THAT TALKING WITH THE PEOPLE
4 HERE -- WILDLIFE BIOLOGISTS HERE AT THE YUMA
5 FIELD OFFICE, THAT WHILE THEY ARE NOT ON THE
6 ENDANGERED LIST, THE DESERT BIG HORN SHEEP IS AN
7 IMPORTANT ANIMAL, AND THEY DO USE THIS AREA,
8 ALTHOUGH IT'S A MORE NORTHERLY AREA TO THE
9 PROVING GROUND, BUT THEY MOVE DOWN INTO HERE
10 DURING THE WINTER MONTHS.

11 SO WE WILL BE LOOKING AT WHAT, IF
12 ANYTHING, CONSTRUCTION EFFECTS WILL HAVE ON THAT
13 SPECIES.

14 MR. ROD LEAS: ED, IF I COULD JUST --

15 MR. ED PENTECOST: YEAH.

16 MR. ROD LEAS: -- SAY SOMETHING ABOUT
17 THAT AREA.

18 ONE OF THE OTHER ENDANGERED SPECIES IN
19 THIS AREA IS A TRANSMISSION TOWER. THE ARMY
20 PLAYS WITH ITS TANKS IN HERE. AND THEY WERE --
21 THEY WERE OKAY WITH US PUTTING THINGS IN HERE AS
22 LONG AS WE DIDN'T PUT THEM IN THE TANK PATHS.

23 APPARENTLY THE TANK DRIVERS, WHEN THEY
24 SIT INSIDE THOSE BIG MACHINES, HAVE TROUBLE
25 SEEING THESE DINKY LITTLE TRANSMISSION TOWERS
26 AND OCCASIONALLY RUN INTO THEM.

1 THAT'S A NOT A DESIRABLE SITUATION. SO
2 WHAT WE HAVE DONE -- JIM CLOUD AND I WERE OUT
3 THERE DRIVING AROUND ONE DAY WHEN IT WAS ONLY
4 ABOUT 900 DEGREES. SO WE DIDN'T SPEND A LOT OF
5 TIME OUT THERE. BUT WE ATTEMPTED TO FIND
6 POTENTIAL LOCATIONS FOR OUR TOWERS WHERE WE CAN
7 HAVE RELATIVELY LONG SPANS, SO THAT WE CAN
8 MINIMIZE THE NUMBER OF TOWERS. IF WE PUT THE
9 TOWERS UP HIGH, EVEN THE TANKS CAN'T GET TO
10 THEM.

11 SO THAT'S THE IDEA. THAT WE WOULD COME
12 -- IT'S A NICE, STRAIGHT LINE HERE. THE
13 ACTUALITY MAY WIGGLE BACK AND FORTH A LITTLE
14 BIT. BUT BASICALLY THE TANK PLAYGROUND IS UP IN
15 THIS AREA. IF WE ARE HERE WE ARE PRETTY MUCH
16 OUT OF THE TANK PATH.

17 THANKS, ED.

18 MR. ED PENTECOST: GARY, MAYBE A
19 QUESTION FOR YOU ON ANY SURFACE DISTURBANCE AND
20 RECLAMATION THAT WE MIGHT NEED HERE.

21 I GUESS WE WOULD BE INTERESTED IN THE
22 DOCUMENT PUTTING IN WHAT B.L.M. WOULD SEE AS
23 REASONABLE AS FAR AS MULCHING, GRADING, ANY
24 SEEDING IN SOME OF THESE DEEP-SLOPE AREAS.

25 SO IF YOU CAN KIND OF KEEP THAT IN MIND
26 I WILL PROBABLY BE GIVING YOU A CALL AS WE PUT

1 THAT MITIGATION CHAPTER TOGETHER.

2 WE HAVE GOT A GOOD LIST OF GENERAL
3 MITIGATION WHICH WE WILL TALK ABOUT LATER. BUT
4 I THINK WHAT I WOULD LIKE TO DO IS TAKE THE
5 PROPOSED ROUTE, ANY ALTERNATE ROUTES, AND WHERE
6 WE KNOW THERE IS STEEP TERRAIN, SOME PROBLEMS,
7 TRY TO SAY THAT WITHIN THIS LINK OR THAT LINK
8 HERE IS THE KIND OF MITIGATION THAT WE ARE GOING
9 TO HAVE.

10 NEXT SLIDE.

11 IT'S THE NORTH GILA SUBSTATION. AND
12 NOW WE ARE IN THE LAGUNA MOUNTAINS LOOKING I
13 WOULD SAY NORTH, NORTHWEST AT MITTRY LAKE.

14 NEXT SLIDE.

15 AND AT THE TIME I THINK THIS WAS FLOWN
16 LAST DECEMBER WE -- I AM NOT SURE WE IDENTIFIED
17 THAT LINK ACROSS THE PROVING GROUNDS, SO WE
18 DIDN'T ATTEMPT TO FLY THAT AND PHOTOGRAPH.

19 HERE AGAIN YOU ARE LOOKING UPSTREAM AT
20 MITTRY LAKE. HERE IS LAGUNA DAM. HERE IS THE
21 BUREAU OF RECLAMATION'S QUARRY. AND THE
22 EXISTING LINE COMES RIGHT OFF THE SCREEN HERE
23 DOWN INTO THIS AREA.

24 NEXT SLIDE.

25 THE PLANE CIRCLED AROUND AND NOW IS --
26 WE TOOK A SHOT DOWNSTREAM. AND WHEN I WAS

1 PLAYING WITH MY FILE HERE IT ALLOWS ME TO GO UP
2 TO 200 TO 400 PERCENT MAGNIFICATION. REAL
3 FUZZY, BUT I COULD ACTUALLY HONE IN HERE AND SEE
4 THE TOWERS DOWN HERE.

5 THE PROBLEM WAS I COULDN'T SAVE IT THAT
6 WAY BECAUSE IT SAVED THE WHOLE FILE AT THAT
7 MAGNIFICATION. I WOULD HAVE HAD TO HAVE SCANNED
8 IT LIKE THAT.

9 I THINK THE NEXT SHOT MAY BE A LITTLE
10 MORE DETAILED. SO WE ARE TALKING ABOUT COMING
11 RIGHT DOWN HERE THROUGH THIS AREA WHERE THE
12 EXISTING LINE GOES. THEN COMING -- PROBABLY BE
13 A TOWER IN HERE, MAYBE ANOTHER TOWER. AND THEN
14 COMING RIGHT ALONG THE EDGE, WHICH WOULD ALLOW
15 ACCESS FROM THE EXISTING DIRT ROAD HERE. AND
16 THEN I THINK THERE IS ACCESS OFF OF THE DAM
17 HERE. SO HOPEFULLY THERE WON'T BE TOO MUCH
18 DISTURBANCE.

19 THOSE OF YOU WHO LIVE OUT HERE PROBABLY
20 KNOW THAT THIS WHOLE AREA CHANGED IN THE '80'S
21 AFTER THAT LINE WAS BUILT WITH THE BIG FLOOD.

22 I DON'T KNOW WHETHER THIS IS THE
23 NATURAL COLOR OF THE SALT CEDAR BACK IN DECEMBER
24 OR THIS IS JUST BAD DEVELOPING HERE.

25 DOES IT REALLY TURN THAT COLOR, DO YOU
26 KNOW, SUSANNA?

1 MS. SUSANNA HENRY: IT'S NEVER REALLY
2 QUITE THAT COLOR.

3 MR. ED PENTECOST: I DIDN'T THINK SO.
4 BACK HOME WE HAVE BROWNS IN THE FALL, BUT NOT
5 HERE.

6 OKAY. NOW, THIS SHOWS A REAL NICE
7 ANGLE STRUCTURE, THE EXISTING LINE. SO HERE WE
8 WOULD BE COMING ACROSS SOMEWHERE NORTH HERE.
9 AND PROBABLY A TOWER OUT IN THIS --

10 MR. ROD LEAS: RIGHT THERE
11 OVERLOOKING --

12 MR. ED PENTECOST: RIGHT THERE. HERE
13 IS THE RIVER AND HERE IS THE ALL-AMERICAN CANAL.

14 NEXT SLIDE.

15 A LITTLE CLOSER VIEW.

16 THESE MIGHT BE GOOD, TOO, ELLEN, WHEN
17 WE TALK TO THE CORPS ABOUT THE WETLAND
18 ASSESSMENT IF WE COULD SHOW THEM KIND OF WHAT
19 THIS LOOKS LIKE HERE IN THE PHOTOS.

20 NEXT SLIDE.

21 WE CONTINUE THEN TO CROSS THE FORT YUMA
22 RESERVATION. I DON'T KNOW EXACTLY WHERE THIS
23 IS, BUT THERE ARE NUMEROUS ARCHEOLOGICAL SITES,
24 AS BOMA POINTED OUT. CARROLL HARVIER WENT WITH
25 US WHEN WE WERE OUT THERE.

26 WE SAW SOME GOOD CONSTRUCTION, WE SAW

1 THE QUARRIES, BUT WE SAW A LOT OF AREAS WHERE
2 OFF-ROAD VEHICLES HAD GOTTEN IN AND CAUSED SOME
3 DAMAGE TO THE SITE.

4 AND THIS, LIKE I SAY, IS ABOUT HALFWAY
5 ACROSS THE NORTH SIDE OF THE RESERVATION WHERE
6 THIS WAS TAKEN.

7 NEXT SLIDE.

8 HERE WE ARE FURTHER ALONG ABOUT
9 MILEPOST 15. WE HAVE GONE SOUTH. WE ARE
10 LOOKING AT ANDRADE MESA TO THE SOUTH. THERE IS
11 ONE TOWER HERE SOMEWHERE. I SUSPECT THIS IS A
12 ROAD ALONG THE U.S./MEXICAN BORDER. HERE YOU
13 CAN SEE ONE TOWER IN THE PAVED ROAD THERE.

14 ANOTHER VIEW SOMEWHERE IN THAT AREA.

15 WE CONTINUE WEST ALONG THE NORTHERN
16 SIDE OF THE RESERVATION. THE LINE DOES BRANCH
17 TO THE SOUTH, WHICH I WILL SHOW YOU ON THE MAP
18 IN A MINUTE.

19 IF YOU LOOK CLOSELY YOU CAN SEE A TOWER
20 HERE. AND IT APPEARS THAT THE ACCESS ROAD MAKES
21 A BEND ABOUT HERE. THE NEXT TOWER MUST BE OVER
22 HERE. THESE, I BELIEVE, ARE THE TARGA MACHACHA
23 (PHONETIC) MOUNTAINS WHERE WE FOUND THE LOST GUY
24 WITH THE METAL DETECTOR THAT DAY.

25 JIM, THAT WAS -- HE WAS AN EASTERNER
26 THAT HAD GOTTEN LOST IN HIS CAR AND HE WAS NOT

1 IN GOOD SHAPE. MORE STRESSED THAN ANYTHING, I
2 THINK. BUT HE WAS LOST.

3 NEXT SLIDE.

4 MR. ROD LEAS: ED?

5 MR. ED PENTECOST: YEAH.

6 MR. ROD LEAS: CAN I INTERRUPT ONE
7 MOMENT AGAIN? CAN WE BACK UP?

8 THE THING THAT I AM CALLING THE YARD --
9 LOOK AT THE TOWER PHOTO. HERE IS ONE.

10 IT WOULD BE JUST OFF THE -- JUST OFF
11 THE PHOTO. WE WOULD COME AROUND, WE WOULD BE ON
12 THE NORTH SIDE HERE.

13 AND IF WE CAN PRETEND THAT THIS IS OVER
14 THERE, WHAT WE WOULD DO BETWEEN THESE TWO TOWERS
15 IS WE WOULD BE COMING ALONG ON THE NORTH SIDE.
16 WE WOULD BUILD OUR YARD. OUR CROSSING YARD.

17 WE WOULD COME INTO IT. WE WOULD --
18 THIS LINE WOULD TRANSITION TO BUS WORK. THIS
19 NEW LINE WOULD TRANSITION TO BUS WORK. THIS ONE
20 WOULD GO THROUGH THIS WAY. THE NEW ONE WOULD GO
21 THROUGH THIS WAY. SUDDENLY IT WOULD BE ON THE
22 SOUTH SIDE. AND IT WOULD PROCEED ON THE SOUTH
23 SIDE FOR ANOTHER ROUGHLY FOUR MILES. THEN IT
24 WOULD HEAD SOUTH INTO MEXICO.

25 MR. ED PENTECOST: THANK YOU.

26 NEXT SLIDE.

1 I AM NOT SURE, I MAY HAVE GONE
2 BACKWARDS ON THIS SLIDE. THIS IS PRETTY FLAT
3 TERRAIN ALONG THE NORTH SIDE OF THE RESERVATION.
4 AND HERE YOU CAN SEE ONE OF THOSE SITES.

5 I AM SURE IT WOULD BE VERY EASY TO
6 FOLLOW THIS ROAD ALONG FOR ACCESS.

7 NEXT SLIDE.

8 THIS IS THE CROSSING OF THE EXISTING
9 LINE AT INTERSTATE -- CROSSING INTERSTATE 8, THE
10 TOWER HERE. YOU CAN VAGUELY SEE THE CONDUCTORS
11 COMING ACROSS. AND PROBABLY RIGHT BEHIND THE
12 STRUCTURE, THERE IS ANOTHER TOWER.

13 LOOKS LIKE A SMALLER LINE HERE. I
14 DON'T KNOW WHETHER THAT'S THE 161 K.V. LINE OR
15 WHETHER IT CROSSES OUT THERE. I SEE AN "H"
16 FRAME THERE. ANOTHER ONE HERE.

17 NEXT SLIDE.

18 THIS IS THE IMPERIAL SAND DUNES, ALSO
19 KNOWN AS ALGODONES DUNES.

20 NANCY NICOLAI OF THE EL CENTRO OFFICE
21 GAVE ME INFORMATION ON THREATENED AND ENDANGERED
22 SPECIES IN THIS AREA, AND WE WILL BE DISCUSSING
23 THOSE. WE ARE GOING TO BE BACK OUT HERE THE
24 LAST WEEK OF JULY. THAT DOESN'T SOUND TOO
25 SMART. TRAMPING AROUND OUT THERE LOOKING FOR
26 FLAT-TAILED HORNED LIZARDS.

1 THIS IS PROBABLY THE TYPE OF HABITAT WE
2 WOULD SEE WHEN WE ARE NOT IN THE DENSE DUNE
3 AREAS. BUT THE EAST-WEST AND THEY ARE KNOWN TO
4 OCCUR THERE. THEY ARE NOT THREATENED OR
5 ENDANGERED, BUT AS MANY OF YOU KNOW, THERE IS AN
6 INTERAGENCY AGREEMENT AND PLAN ON HOW TO
7 PRESERVE HABITAT FOR THAT SPECIES, HOW TO
8 PROTECT IT.

9 THE DESERT TORTOISE HAS BEEN DOCUMENTED
10 OUT HERE HISTORICALLY, BUT WE ARE GOING TO BE
11 LOOKING FOR SIGNS OF TORTOISE. AGAIN, JUST TO
12 SPOT-CHECK REALLY ALONG THESE TWO NORTH-SOUTH
13 ALTERNATE ROUTES WHEN WE COME OUT THE END OF
14 JULY.

15 THEN THE PIERSON'S MILK VETCH IS
16 ANOTHER MAJOR PLANT SPECIES THAT WE BELIEVE IS
17 OUT HERE SOMEWHERE. IN TALKING TO FISH AND
18 WILDLIFE, DEBBIE MCCALLER SAYS SHE'S BEEN OUT
19 THIS SPRING AND HAD SEEN THEM ACTUALLY IN
20 LITTLE WIND-BLOWN POCKETS IN THE CENTER AREA OF
21 SOME OF THE DUNES.

22 NEXT SLIDE.

23 SAME THING, JUST A LITTLE LARGER.

24 OKAY. WE WENT THROUGH THREE SLIDES.

25 THERE WE GO. VERY SENSITIVE.

26 THIS IS THE QUARRY IN THE PILOT KNOB

1 AREA ON THE NORTH SIDE OF PILOT KNOB.

2 SO THE ALTERNATE "C", WHICH IS LINK 6,
3 WOULD COME DOWN AND GO TO THE EAST OF THIS
4 ALONG PILOT KNOB. THIS IS ALGODONES HERE.

5 THE NEXT SLIDE SHOWS THE BORDER
6 CROSSING HERE, THE PARKING LOT THAT YOU ARE
7 PROBABLY ALL FAMILIAR WITH. ALGODONES, THE
8 ALL-AMERICAN CANAL THAT WAS ACQUIRED DURING THE
9 DAYS WHEN THEY CONCLUDED THIS LINE.

10 NEXT SLIDE IS A LITTLE MORE DETAILED.

11 NOW, ROD, I BELIEVE WE HAD SAID IF THE
12 LINE WERE BUILT ALONG THIS ALTERNATE IT WOULD
13 COME DOWN AROUND HERE, CROSS THE ALL-AMERICAN
14 CANAL AND GO THREE OR FOUR TOWER LENGTHS?

15 MR. ROD LEAS: YEAH.

16 MR. ED PENTECOST: AND THERE'S NO-MAN'S
17 LAND HERE? I SAID IN MY LAND USE SECTION THERE
18 IS NO APPARENT USE OF THIS LAND. IN LOOKING AT
19 IT IT'S MOSTLY DEVOID OF VEGETATION. IT'S JUST
20 A FEW HUNDRED FEET.

21 MR. ROD LEAS: IT'S 500 AND --
22 SUPPOSEDLY 550 FEET.

23 MR. ED PENTECOST: FROM THE BORDER?

24 MR. ROD LEAS: FROM THE BORDER, WHICH
25 IS RIGHT HERE. THE EDGE OF THE CANAL.

26 AND WE WOULD -- WE HAVE PROBABLY GIVEN

1 UP ON THIS -- ON THIS POTENTIAL. BUT IT STILL
2 SORT OF EXISTS.

3 I SAY "SORT OF EXISTS," WHICH IS
4 PROBABLY CONFUSING TO YOU FOLKS. BUT WE ARE
5 LOOKING AT SOME OF THE ALTERNATIVES THAT ARE
6 PROPOSED TO HAPPEN HERE IN ARIZONA.

7 AS SOME OF YOU KNOW, THERE IS A POWER
8 PLANT OVER THERE. A TINY LITTLE POWER PLANT
9 THAT MAY BE EXPANDED.

10 IF THAT WERE TO BE EXPANDED WE COULD --
11 THIS LINE COULD PROVIDE OUTLET CAPABILITY FOR
12 THE EXPANSION OF THAT POWER PLANT.

13 IF THAT WERE SO WE COULD TIE IN, EITHER
14 BY BUILDING OUR LINE THROUGH HERE, OR IF WE CAME
15 DOWN THE EAST SIDE OF PILOT KNOB TO THE POWER
16 PLANT AND THEN OUT THIS WAY.

17 NEITHER ONE OF THOSE THINGS WILL
18 PROBABLY HAPPEN. SO WHAT PROBABLY WILL HAPPEN
19 IS AS I DESCRIBED. WE WOULD BE ABOUT FOUR MILES
20 WEST OF THE WEST EDGE OF THE FORT YUMA
21 RESERVATION AND COME RIGHT STRAIGHT ACROSS.

22 BUT ONE OF THE ALTERNATIVES THAT WE
23 LOOKED AT WOULD COME DOWN THE EAST SIDE, WE
24 WOULD CROSS OVER RIGHT IN HERE SOMEWHERE AND
25 THEN STAY JUST SOUTH OF THE CANAL AND GO OVER TO
26 ABOUT -- ABOUT HERE, AND THEN GO SOUTH, AND THEN

1 STAY EITHER IN OR JUST SOUTH OF THE SAND DUNES
2 THE WHOLE WAY TO MEXICALI.

3 WE HAVE THE BORDER PATROL APPROVAL TO
4 DO THAT. AS SOME OF YOU MAY KNOW, THE BORDER
5 PATROL FLIES THEIR AIRPLANES, THEIR HELICOPTERS
6 AND WHAT HAVE YOU BACK AND FORTH ALONG THERE
7 FREQUENTLY.

8 BUT IN EXCHANGE FOR A FEW FAVORS THAT I
9 PROMISED THEM, THEY SAID, YEAH, YOU CAN BUILD
10 YOUR TOWERS THERE.

11 I PROMISED THEM A ROAD AND SOME OTHER
12 AMENITIES. THEY NEED A ROAD THROUGH THERE.
13 THEY APPARENTLY DON'T HAVE ONE.

14 MR. ED PENTECOST: THANK YOU.

15 MS. ELLEN RUSSELL: I HAVE A QUESTION.

16 MR. ED PENTECOST: YES.

17 MS. ELLEN RUSSELL: ELLEN RUSSELL.

18 FOR WHAT WILL LIKELY TURN OUT TO BE
19 YOUR PREFERRED ALTERNATIVE, HOW FAR INTO MEXICO
20 DO YOU GO BEFORE YOU TURN WEST AGAIN?

21 MR. ROD LEAS: WE BROUGHT THAT UP WITH
22 C.F.E. YESTERDAY IN MEXICO CITY.

23 I HAD SUGGESTED THAT WE WOULD STAY
24 ABOUT 100 YARDS OR 100 METERS SOUTH OF THE
25 BORDER.

26 THERE MAY BE A MEXICAN LAW THAT SAYS

1 YOU HAVE TO BE SOME SPECIFIC DISTANCE SOUTH OF
2 THE BORDER BEFORE YOU CAN PARALLEL THE BORDER.
3 THE PEOPLE AT C.F.E. WEREN'T
4 KNOWLEDGEABLE ABOUT WHAT THAT LAW IS, BUT THEY
5 THOUGHT THERE WAS A LAW.

6 IF THAT'S SO IT WOULD ACTUALLY BE
7 BETTER IF WE COULD BE FURTHER SOUTH. WHAT WE
8 WERE TRYING TO DO WAS BE -- WOULD BE OUT OF THE
9 WAY OF PEOPLE.

10 IF WE WERE DOWN -- YOU CAN KIND OF SEE
11 WHERE THE SAND DUNES GO. IF WE COULD STAY JUST
12 ON THE SOUTHERN EDGE OF THE DUNES AND JUST NORTH
13 OF ANY AGRICULTURE, IT REALLY WOULD BE BETTER,
14 BECAUSE WE ARE GOING TO HAVE PROBLEMS BUILDING
15 TOWER FOOTINGS IN THE SAND. IT'S LIKE A GIANT
16 SANDBOX, AND WE ARE GOING TO HAVE PROBLEMS
17 THERE.

18 IT'S NOT -- THEY ARE NOT INSURMOUNTABLE
19 PROBLEMS. THE EXISTING LINE WAS BUILT THROUGH
20 THAT AREA. IT'S JUST IT WOULD BE A LOT EASIER
21 TO BUILD ON FIRM GROUND THAN SHIFTING SAND.

22 THE FOLKS WE MET WITH YESTERDAY
23 RESEARCHED THE SUBJECT AND LET US KNOW HOW FAR
24 SOUTH WE HAVE TO BE.

25 MS. ELLEN RUSSELL: THANK YOU.

26 MR. ED PENTECOST: ANY OTHER QUESTIONS

1 FOR ROD? YES, CARROLL.

2 MR. CARROLL HARVIER: CARROLL HARVIER
3 FROM THE QUECHAN TRIBE.

4 WAS THERE ANY PLANS TO EXPAND THAT
5 PILOT KNOB POWER PLANT YOU MENTIONED THERE?
6 HAVE YOU EVEN TALKED ABOUT THAT?

7 MR. ROD LEAS: THE YUCCA PLANT?

8 MR. CARROLL HARVIER: THE PILOT KNOB --
9 WAS THAT THE ONE YOU WERE REFERRING TO, ROD?

10 MR. ROD LEAS: THE PILOT KNOB PLANT --
11 LITTLE HYDROPLANT.

12 MR. CARROLL HARVIER: YEAH.

13 MR. ROD LEAS: NO, NOT THAT I AM AWARE
14 OF.

15 MR. DIRK ANDREAS: LET'S JUST CLARIFY
16 WITH ROD. WE HAVE NO PLANS AT ALL. WE HAVE
17 HEARD RUMORS. BUT WE ALL -- DIRK ANDREAS FROM
18 N.R.G.

19 WE HEAR RUMORS ALL THE TIME ABOUT POWER
20 PLANTS. THERE ARE TWO POWER PLANTS. THERE IS
21 THIS YUCCA PLANT AND THIS SMALL COGENS
22 (PHONETIC) PLANT IN THE AREA RIGHT NOW. AND
23 THERE IS SOME OTHER PLANTS THAT ARE PROPOSED
24 FURTHER NORTH. QUITE A BIT FURTHER NORTH. BUT
25 WE HAVE NO PLANS TO PUT ANY GENERATION OR EXPAND
26 THERE.

1 ROD WAS JUST SAYING THAT WE HAD HEARD
2 RUMORS THAT SOME PEOPLE WERE TALKING ABOUT DOING
3 THAT. THAT'S ALL WE REALLY KNOW AT THIS TIME.

4 MR. ROD LEAS: ANY POWER PLANT --

5 MR. CARROLL HARVIER: RUMOR?

6 MR. DIRK ANDREAS: JUST RUMOR IS ALL WE
7 HAVE HEARD. NOTHING HAS BEEN ANNOUNCED.

8 MR. CARROLL HARVIER: OUR INTEREST IS
9 BECAUSE THAT'S ON THE RESERVATION.

10 MR. DIRK ANDREAS: YOU MAY KNOW MORE
11 THAN WE KNOW THEN.

12 MR. ROD LEAS: ANY PLANT THAT GETS
13 BUILT NEEDS OUTLET TRANSMISSION CAPABILITY. A
14 WAY TO GET THE POWER OUT. IT'S A LITTLE
15 DIFFICULT TO MOVE IT WITH U.P.S. OR SOMETHING
16 LIKE THAT. SO YOU'VE GOT TO HAVE WIRES.

17 SO OUR WIRE GOING THROUGH THE AREA IS A
18 NATURAL. ANYBODY WHO IS THINKING OF DOING
19 SOMETHING LOOKS AT THIS POTENTIAL POWER LINE AND
20 SAYS, UH-HUH, WE CAN HOOK ON TO THAT THING.

21 SO WE HAVE HAD VARIOUS PEOPLE COME TO
22 US AND JUST SAY, YOU KNOW, WE ARE THINKING OF
23 MAYBE DOING SOMETHING, CAN WE USE YOUR LINE.
24 AND THAT'S AS FAR AS IT'S GONE.

25 MR. JIM CLOUD: I THINK WHAT CARROLL --
26 EXCUSE ME A MINUTE. I THINK WHAT CARROLL WAS

1 REFERRING TO IS THAT SMALL HYDROPLANT THAT DROPS
2 OUT OF THE CANAL.

3 MR. ROD LEAS: RIGHT.

4 ONE OF THE THINGS THAT WE ARE GOING TO
5 HAVE TO DO WITHIN THE NEXT PROBABLY MONTH OR TWO
6 AT THE MOST IS CLOSE THE DOOR TO ALL OF THESE
7 POTENTIALS. WE EITHER HAVE A PROJECT THAT IS AN
8 ESTABLISHED PROJECT OR WE CAN GO ON FOREVER
9 LOOKING AT ALL OF THE POTENTIALS THAT MIGHT COME
10 UP.

11 AND WE CAN'T AFFORD TO DO THAT. WE
12 HAVE A CONSTRUCTION SCHEDULE THAT WE HAVE TO
13 ADHERE TO IN ORDER TO HAVE THE FACILITY AND
14 SERVICE WHEN WE WANT TO HAVE IT IN SERVICE.

15 SO RIGHT NOW WE HAVE THE LEISURE --
16 SORT OF -- A DIMINISHING TIME FRAME -- TO LOOK
17 AT ALL OF THESE POTENTIALS. ALL OF THE OPTIONS
18 FOR PARTNERING OR SUPPLYING POWER TO HITHER AND
19 YON, LOOKING ON FOR THIS OR THAT.

20 BUT THAT'S GOING TO VERY RAPIDLY COME
21 TO AN END. WITHIN THE NEXT MONTH OR SO WE ARE
22 GOING TO SAY ENOUGH IS ENOUGH, HERE IS OUR
23 PROJECT.

24 AND AT THIS POINT IN TIME ALL OF
25 THESE -- ALL OF THESE POTENTIAL EXPANSION PLANS,
26 POTENTIAL CONSTRUCTION PLANS THAT ARE KIND OF

1 BLOWING IN THE WIND ARE JUST THAT. THEY ARE
2 RUMORS.

3 MR. CARROLL HARVIER: SO THE DEADLINE
4 YOU ARE SAYING THAT YOU WILL HAVE -- OR THAT YOU
5 WILL KNOW WHAT YOU ARE GOING TO DO IS GOING TO
6 BE WITHIN AT LEAST A MONTH?

7 MR. ROD LEAS: WELL, A MONTH OR TWO,
8 YEAH. BY I WOULD SAY SEPTEMBER, OCTOBER TIME
9 FRAME WE ARE GOING TO HAVE TO KNOW WHAT WE'VE
10 GOT. BECAUSE AT THAT POINT WE ARE GOING TO HAVE
11 TO BE HIRING A CONTRACTOR TO BEGIN TO PLAN THE
12 LINE. PLAN THE DESIGN OF THE FACILITY. AND
13 THAT CONTRACTOR IS GOING TO HAVE TO KNOW WHAT HE
14 HAS TO DESIGN FOR.

15 SO AFTER THAT POINT TO MAKE CHANGES
16 COSTS A LOT OF MONEY. IT'S EASY TO DESIGN
17 SOMETHING FROM THE BEGINNING. BUT WHEN YOU GET
18 IT ALL DESIGNED AND THEN YOU SAY, WHOOPS, WE
19 FORGOT SOMETHING, THAT'S WHEN IT STARTS GETTING
20 EXPENSIVE.

21 MR. ED PENTECOST: NEXT SLIDE, JIM.

22 JUST VERY QUICKLY GO THROUGH THE ROUTE
23 AGAIN. THIS IS OUT IN THE MUGGINS MOUNTAIN
24 AREA. PART OF WHAT WE ARE GOING TO CALL LINK 1.

25 NEXT SLIDE.

26 PROBABLY ALREADY TALKED ENOUGH ABOUT

1 THIS. AND WHEN I DESCRIBE ALTERNATE "B" IT WILL
2 BE THE PROPOSED ROUTE IDENTICAL TO THAT, WITH
3 THE EXCEPTION OF THIS LINK HERE, WHICH WILL BE
4 YUMA.

5 THE NEXT SLIDE.

6 THE NORTH SIDE OF THE RESERVATION. ONE
7 ALTERNATE HERE THAT WE WERE JUST TALKING ABOUT
8 THAT WOULD GO DOWN AND AROUND PILOT KNOB AND
9 THEN DROP INTO MEXICO.

10 THE PINK HERE -- THIS IS A LAND
11 JURISDICTION PHOTO OR MAP THAT WE SCANNED. THIS
12 IS BUREAU OF RECLAMATION. THE YELLOW IS B.L.M.

13 THE BLUE I GUESS ARE THESE SECTIONS OF
14 STATE-OWNED LAND IN BOTH CALIFORNIA AND ARIZONA.

15 MICKEY, YOUR SYSTEM SHOWS IN THE BLUE
16 BLOCKS ONE SECTION IS A TOWNSHIP ROUGHLY, I
17 THINK.

18 MR. MICKEY SIEGEL: STATE.

19 MR. ED PENTECOST: NEXT SLIDE.

20 HERE IS THE AREA WE WERE TALKING ABOUT
21 THAT WILL CROSS OVER.

22 THE ROUTE THROUGH THE DUNES, WE ALL
23 KNOW ABOUT THE IMPERIAL DUNES RECREATION AREA.
24 HAVEN'T USED THAT. IF THAT WERE THE -- ENDED UP
25 BEING THE ROUTE THAT WOULD BE USED, THERE WOULD
26 BE FOUR POSSIBILITIES, I GUESS, FOR CONFLICTS

1 WITH PEOPLE USE IN THIS AREA OF THE DUNES.

2 NEXT SLIDE.

3 THIS SHOWS YOU AN AERIAL VIEW OF THE
4 DUNES. YOU CAN SEE ALL THE OFF-ROAD VEHICLE
5 TRACKS HERE.

6 NEXT SLIDE.

7 CONTINUING ON ACROSS, THIS IS ALL
8 AGRICULTURAL LAND OUT HERE. SINGLE POLE
9 STRUCTURES WOULD BE USED IF WE GO THROUGH AG
10 LANDS. SO THERE IS THREE -- THREE TOWERS --
11 THREE OR FOUR TOWER DESIGNS; RIGHT?

12 MR. ROD LEAS: WHAT WE ARE LOOKING AT
13 IS REPLICATING THE EXISTING LINE THAT'S ROUGHLY
14 FOUR SPANS PER MILE.

15 MR. ED PENTECOST: OKAY. THEN WE DROP
16 STRAIGHT SOUTH, AS I SAID EARLIER, TO CROSS THE
17 BORDER AND GO TO THE CETYS SUBSTATION.

18 NEXT SLIDE.

19 THIS IS AN AREA OF THE ALL-AMERICAN
20 CANAL SHOWING THE LEAKAGE PROBLEM AND THE
21 WETLANDS THAT HAVE BEEN CREATED THROUGH THE
22 YEARS. SEVERAL DECADES WORTH OF LEAKAGE.

23 AND I UNDERSTAND IN TALKING, YOU KNOW,
24 WITH -- CONTACT WITH THE BUREAU OF REC THAT THAT
25 OLD E.I.S. BACK IN '92, '93 THEY MAY BE GOING
26 AHEAD WITH THE ACTION NOW, THE RELINE.

1 IT'S BEEN ELEVATED TO A LEAST A HIGHER
2 PRIORITY PROJECT. RELINE OR BUILD A NEW CANAL
3 TO REPLACE THAT.

4 BUT THIS IS JUST TO SHOW YOU WHAT'S
5 HAPPENED HERE. I DON'T KNOW EXACTLY WHERE THAT
6 WAS TAKEN, BUT SOMEWHERE IN CALIFORNIA.

7 NEXT SLIDE.

8 SUSANNA, HERE ARE THE MYSTERIOUS DOTS.
9 REMEMBER I SAID TO YOU -- WE TALKED EARLIER
10 ABOUT FLYING FROM PHOENIX TO YUMA. IF ANY OF
11 YOU HAVE DONE THAT IN A SMALL PLANE IT LOOKS
12 LIKE JUST SOMEBODY PUT A BUNCH OF POLKA-DOTS OUT
13 HERE.

14 THESE ARE -- IF YOU LOOK CLOSELY AT
15 SOME OF THEM THERE IS A TRUNK OR A PLANT OF SOME
16 KIND IN EACH ONE OF THESE CLEAR AREAS. I DON'T
17 KNOW WHERE THIS WAS WITH RESPECT TO THE EXISTING
18 LINE. BUT IT WAS A NEAT SHOT, I THOUGHT.

19 MR. ROD LEAS: IT SHOWED UP
20 PARTICULARLY WELL THIS MORNING. APPARENTLY IT
21 RAINED IN THE AREA LAST NIGHT AND THESE LITTLE
22 POLKA-DOTS REALLY JUMPED OUT THIS MORNING.

23 MR. ED PENTECOST: NEXT SLIDE.

24 I THINK THAT'S IT.

25 MR. JIM CLOUD: THAT SEEMS TO BE IT.

26 MR. ED PENTECOST: WELL, WE ARE JUST

1 ABOUT ON SCHEDULE. TAKE A 15-MINUTE BREAK, THEN
2 BE BACK HERE ABOUT A QUARTER TO 11:00.

3 IF ANY OF YOU WOULD LIKE TO LOOK AT
4 SOME OF THE MAPS HERE OR PHOTOGRAPHS, WE WILL
5 HAVE THEM AVAILABLE.

6 (A RECESS WAS TAKEN.)

7 MR. ED PENTECOST: OKAY. WE HAD SOME
8 GOOD DISCUSSION DURING THE BREAK AND HOPE WE
9 HAVE MORE DURING THE MEETING HERE -- THE REST OF
10 THE MEETING.

11 ONE OF THE THINGS I WANTED TO TALK TO
12 YOU ABOUT IS OUR WORK PLAN. I BROUGHT ALONG 30
13 COPIES. SO IF YOU -- THERE PROBABLY WON'T BE
14 QUITE ENOUGH TO GO AROUND.

15 BUT WHAT WE DID FOR N.R.G. AND D.O.E.
16 WAS TO LAY OUT THE WORK PLAN. THE LAST PAGE IS
17 OUR SCHEDULE. I HAVE 30. I'D JUST ASK YOU
18 SOMETIME DURING THE DAY TO LOOK OVER THAT. AND
19 I WILL MAYBE TALK A LITTLE BIT ABOUT IT NOW.

20 WE BROKE IT DOWN INTO THE VARIOUS
21 DISCIPLINES. AND HOW WE WOULD GO ABOUT
22 GATHERING THE DATA.

23 THE NEXT PRESENTATIONS YOU ARE GOING TO
24 SEE NOW, WE WILL GO THROUGH EACH DISCIPLINE.
25 AND HERE IS WHERE I HOPE EVERYONE WILL PAY CLOSE
26 ATTENTION, BECAUSE IT IDENTIFIES THE INFORMATION

1 WE HOPE TO USE THAT WE GATHERED. AND HERE IS
2 WHERE YOU CAN PIPE UP AND SAY YOU MISSED ONE
3 HERE, ARE YOU GOING TO ADDRESS THIS OR THAT.

4 CARROLL, ONE OF THE THINGS THAT I AM
5 GOING TO NEED ON THE LAND USE SIDE WHEN WE
6 ADDRESS ALTERNATE LINK 6 AS YOU GO DOWN THE WEST
7 SIDE AND THE EAST SIDE OF THE RESERVATION, WOULD
8 BE IF YOU HAVE ANY PLANS FOR LAND USE IN THAT
9 AREA AND WHAT THEY ARE.

10 LOOKS LIKE IT'S MOSTLY OPEN RANGE LAND
11 AT THIS POINT. BUT WHAT I'VE TRIED TO DO IS
12 FIND ANY LAND USE PLAN ON DOCUMENTS TO LOOK AT
13 ALONG THE PROPOSED ROUTE AND THE ALTERNATES.
14 BUT I DIDN'T HAVE ANYTHING FOR THAT AREA FOR YOU
15 FOLKS.

16 YOU MAY NOT HAVE ANYTHING. BUT IF YOU
17 DO I WOULD CERTAINLY BE INTERESTED IN GETTING
18 IT.

19 ONE THING I DID, BOB, IS TO CHANGE THE
20 SCHEDULE TO COLLECT A DELIVERY DATE FOR THE
21 INTERNAL REVIEW THE END OF AUGUST. THE 26TH OR
22 7TH. BECAUSE IT'S TAKEN US ABOUT -- WE PREDICT
23 AT LEAST ABOUT A MONTH LONGER WITH SOME OF THE
24 NEW INFORMATION ON ALTERNATES AND GETTING THE
25 AERIAL PHOTOS TO LOOK AT A LITTLE LATER THAN
26 PLANNED.

1 SO WE ARE STILL SHOOTING FOR THAT
2 TARGET DATE. AND AT THAT TIME, THE END OF
3 AUGUST, THE B.L.M., N.R.G. AND D.O.E. WILL LOOK
4 AT THIS DOCUMENT FOR THE FIRST TIME. WE WILL
5 HAVE COMPLETED OUR INTERNAL REVIEW WHICH WE HAVE
6 TO DO AT ARGONNE BEFORE WE CAN DELIVER THE
7 PROJECT.

8 MR. BILL PYOTT: ED, WE WOULD LIKE TO
9 LOOK AT IT ALSO, THE B.I.A.

10 MR. ED PENTECOST: OKAY. THE B.I.A.
11 SHOULD BE A COOPERATING AGENCY, BY ALL MEANS.

12 SO THAT'S KIND OF AN OVERVIEW OF OUR
13 SCHEDULE, OUR WORK PLAN. SO ANY COMMENTS WOULD
14 BE USEFUL.

15 I KNOW I HAVE ALREADY MET WITH THE
16 THREE B.L.M. FIELD OFFICES AND THE PHOENIX STATE
17 OFFICE WHERE WE DELIVERED AN EARLIER DRAFT OF
18 THAT PLAN.

19 WE MADE SOME MODIFICATIONS TO THE
20 CULTURAL RESOURCE SECTION JUST TO UPGRADE WITH
21 SOME OF THE TERMS, NAMES OF THE GROUPS AND
22 ENDEAVORS THAT WE HAD DOWN, SO WE TRIED TO MAKE
23 THOSE CHANGES.

24 WE ADDED AN E.M.F. SECTION. ELECTRIC
25 AND MAGNETIC FIELD EFFECTS WHICH I WILL TALK
26 ABOUT LATER. IT WAS IN THE EARLIER PLAN.

1 OKAY, THE FIRST SECTION I WANTED TO
2 TALK ABOUT HAD TO DO WITH AIR RESOURCES AND HERE
3 IS WHERE YOU MIGHT BE ABLE TO HELP ME A LITTLE
4 BIT.

5 AS I WAS WATCHING THE EVENING NEWS LAST
6 NIGHT ON A PHOENIX STATION I REALIZED THE
7 IMPACTS OF FUGITIVE DUST BEING BLOWN AROUND
8 HERE.

9 IN FACT, WHEN WE WERE OUT HERE, DEBBIE,
10 WHEN WAS IT? MARCH ON OUR SITE VISIT -- ONE OF
11 SEVERAL VISITS -- WE HAD A COUPLE OF DAYS WHERE
12 MOTHER NATURE WAS ADDING A LOT OF FUGITIVE DUST
13 TO THE AREA.

14 I MENTION THAT BECAUSE WE THINK THAT'S
15 PROBABLY GOING TO BE THE BIGGEST AIR RESOURCE
16 ISSUE.

17 WHAT WE HAVE DONE IS I HAVE FOUND A
18 PUBLICATION IN OUR LIBRARY THAT GIVES ALL THE
19 U.S. CITIES 30 TO 40 YEARS OF HISTORICAL
20 METEOROLOGICAL DATA. AND THE TWO CLOSEST
21 REPORTING STATIONS HERE WITH THOSE KINDS OF
22 RECORDS, WHICH WERE YUMA AND PHOENIX.

23 SO IN THE AIR RESOURCES SECTION I WILL
24 HAVE A TABLE SHOWING PRECIP, WIND SPEED,
25 TEMPERATURES BY MONTH FOR THESE TWO AREAS.

26 MONITOR DATA FOR THE YUMA AREA. I AM

1 RELYING PRETTY HEAVILY ON THE 1998 E.I.S. THAT
2 THE YUMA PROVING GROUND PUT OUT. THEY HAD DATA
3 FROM THE MARINE CORPS AIR STATION.

4 MS. KAREN REICHHARDT: AND THE
5 METEOROLOGICAL STATION AT Y.P.G. HAS A STUDY OF
6 THE CLIMATOLOGICAL DATA FOR 33 YEARS.

7 MR. ED PENTECOST: OKAY. AND THEY
8 REPORTED -- YOU USED THAT DATA IN YOUR E.I.S.
9 SO I HAVE LOOKED AT THAT THINKING, OKAY, I COULD
10 TRY TO GET 1999 DATA, BUT WE DON'T HAVE IT YET.
11 AND WHAT WOULD IT REALLY ADD TO 30 YEARS' WORTH.
12 IT'S PROBABLY -- WHAT WAS IN THAT E.I.S. IS
13 PROBABLY PRETTY REASONABLE.

14 WE LOOKED AT COMPLIANCE IN THE YUMA
15 AREA AMBIENT AIR QUALITY STANDARDS.

16 AND THAT'S BASICALLY MY DATA SET IS
17 WHATEVER IS IN SOME OF THE OTHER E.I.S.'S.

18 WE LOOKED AT THE RESOURCE MANAGEMENT
19 PLANS FOR THE LOWER GILA, FOR THE PHOENIX AREA
20 AND REALLY DIDN'T HAVE MUCH. AIR RESOURCES WAS
21 KIND OF GLOSSED OVER THERE.

22 NEXT SLIDE.

23 TO MAKE MY PROJECTIONS OF IMPACTS -- WE
24 ALWAYS DO IT THIS WAY -- WE WILL IDENTIFY THE
25 KINDS OF CONSTRUCTION EQUIPMENT, THE KINDS OF
26 EMISSIONS THEY HAVE, AND I WILL BASICALLY HAVE A

1 QUALITATIVE TYPE IMPACT ASSESSMENT.

2 IF WE WERE BUILDING A POWER PLANT HERE,
3 YES, YOU WOULD DO SOME AIR QUALITY MODELS. YOU
4 WOULD LOOK AT TERRAIN EFFECTS. YOU WOULD LOOK
5 AT METEOROLOGICAL EVENTS. IF YOU HAVE
6 INVERSIONS, THOSE TYPE OF THINGS.

7 BUT HERE WE ARE TALKING ABOUT
8 CONSTRUCTION EQUIPMENT THAT WILL BE IN AN AREA A
9 VERY SHORT PERIOD OF TIME AND IT'S NOT GOING TO
10 BE ADJACENT TO ANY LARGE INDUSTRIAL EMISSION
11 SOURCES. SO WE WILL LOOK AT THIS AND TRY TO SAY
12 SOMETHING QUALITATIVE ABOUT IT.

13 FUGITIVE DUST. I GUESS I WOULD BE
14 INTERESTED THERE IN WHAT N.R.G. PLANS TO USE TO
15 AVOID THAT AS MUCH AS POSSIBLE AT THE WORK
16 SITES.

17 THESE THREE AREAS YOU MENTIONED, ROD,
18 WHERE YOU ARE GOING TO HAVE CONSTRUCTION AND
19 MATERIALS STORED TEMPORARILY. TRAFFIC IN AND
20 OUT OF THERE, WE MIGHT THINK HOW WE ARE GOING TO
21 CONTROL IT. ACCUMULATIVE IMPACTS.

22 AND, JIM, I THINK YOU AND I WERE DOWN
23 HERE IN JANUARY. AS WE DROVE OVER THE MOUNTAINS
24 DOWN TOWARDS YUMA THAT EVENING WE KEPT SEEING
25 THIS CLOUD OF BLACK SOMETHING OR OTHER, AND WE
26 FOUND OUT THAT IT WAS -- THAT THEY WERE BURNING

1 IN SOME OF THE AREAS THAT WERE BEING CLEARED
2 FOR -- FOR IRRIGATION. SOME OF THE NATIVE BRUSH
3 HAD BEEN FILED UP AND WAS BEING BURNED. AND
4 THEN WHEN YOU ADD ALL THAT TO THE TIME WHEN YOU
5 HAVE FUGITIVE DUST I GUESS YOU CAN GET SOME
6 SERIOUS PROBLEMS AT TIMES HERE.

7 OPERATIONAL IMPACTS. WE HAVE A
8 COMPUTER PROGRAM THAT WE OBTAINED FROM A FORMER
9 EMPLOYEE OF THE BONNEVILLE POWER ADMINISTRATION
10 THAT WILL CALCULATE NOISE LEVELS. IT WILL
11 CALCULATE OZONE PRODUCTION AND GIVE US VALUES
12 LIKE A METER AWAY FROM THE CONDUCTORS. THE
13 CORONA DISCHARGE. AND IT WILL CALCULATE
14 ELECTRIC AND MAGNETIC FIELD STRENGTH.

15 SO WE WILL BE USING THAT MODEL AND
16 REPORTING ON THE RESULTS IN THE E.I.S.

17 SO WE WILL TRY TO TALK ABOUT WHAT KIND
18 OF NOISE LEVELS ONE WOULD EXPERIENCE IF THEY
19 WERE STANDING AT THE GROUND LEVEL DURING GOOD
20 WEATHER AND FOUL WEATHER. WHAT DECIBEL LEVEL.
21 AND, YOU KNOW, WHAT THAT WOULD MEAN. WHICH
22 SHOULDN'T BE A PROBLEM HERE.

23 BACK IN THE MIDWEST WHERE WE HAVE HIGH
24 HUMIDITY AND RAIN YOU CAN GET -- YOU CAN REALLY
25 HEAR THE CRACKLING AT TIMES. OF COURSE, OUT
26 HERE, JIM, I THINK YOU POINTED OUT WAS THE DUST

1 CAUSING LITTLE NICKS ON THE SURFACE OF THE
2 CONDUCTORS. THAT'S WHY YOU HEAR THE CRACKLING
3 SOUND AS YOU ARE STANDING ALONG THE
4 RIGHT-OF-WAY.

5 ROD?

6 MR. ROD LEAS: ONE OF THE THINGS THAT
7 ALSO AFFECTS NOISE IS THE POWER CARRIED -- THE
8 POWER CARRIED ON THE LINE -- AMOUNT OF POWER
9 CARRIED ON THE LINE AND MAINTENANCE.

10 IF THE LINE IS WELL MAINTAINED, IF THE
11 BOLTS ARE KEPT TIGHT, YOU CAN REALLY REDUCE
12 NOISE BY QUITE A BIT. NOTHING HELPS GENERATE
13 NOISE LIKE LOOSE BOLTS. AND HOPEFULLY OUR
14 MAINTENANCE WILL BE DESIGNED TO KEEP EVERYTHING
15 AS TIGHT AS POSSIBLE.

16 BUT YOU KNOW HOW THE WIND BLOWS OUT
17 HERE. AND WIND RATTLES THINGS LOOSE.

18 MR. ED PENTECOST: ONE OF THE POINTS,
19 ROD, THAT CAME UP DURING OUR MEETING -- I THINK
20 IT WAS THE MEETING YOU ATTENDED WITH THE EL
21 CENTRO OFFICE -- LYNDA, I THINK YOUR GROUP HAD
22 TALKED ABOUT HIGH WINDS SOMETIME BEFORE. AND
23 THIS WOULD HAVE BEEN BACK IN THE FALL I THINK WE
24 STOPPED OUT THERE.

25 WE NORMALLY DON'T ADDRESS SAFETY ISSUES
26 IN E.I.S., BUT SOMEWHERE OBVIOUSLY YOU ARE GOING

1 TO NEED TO MAKE SURE THAT IT'S DESIGNED TO
2 WITHSTAND WHATEVER WIND STRENGTHS AND WIND
3 SPEEDS YOU'VE GOT AND SO ON.

4 DID YOU ACTUALLY HAVE ANY TOWERS THAT
5 WERE BLOWN DOWN AS A RESULT OF THAT?

6 MS. LYNDA KASTOLL: NOT ON THE 500 K.V.
7 LINE, BUT ON A 230 RUNNING TO COACHELLA, WE
8 ACTUALLY HAD SINGLE POLES GO DOWN.

9 MR. ROD LEAS: THE TRANSMISSION LINE
10 DESIGN TAKES INTO ACCOUNT WIND LOADING,
11 CONDUCTOR SIZE, THE AMOUNT OF ICE. I KNOW
12 THAT'S A REAL PROBLEM AROUND HERE.

13 EVERYTHING THAT WE ARE LOOKING AT, IF I
14 COULD JUST TAKE ANOTHER --

15 MR. ED PENTECOST: GO AHEAD. LIKE I
16 SAY, WE ARE A LITTLE BIT AHEAD OF SCHEDULE, SO
17 WE ARE FINE.

18 MR. ROD LEAS: YOU HAVE GOT TWO
19 POSSIBLE CONDUCTOR CONFIGURATIONS. ONE IS LIKE
20 THAT AND ONE IS LIKE THIS.

21 THIS ONE IS THE ONE THAT'S OUT THERE.
22 AND IF YOU ARE DRIVING AROUND AND YOU NOTICE
23 THINGS LIKE I KNOW I DO -- I DON'T KNOW WHY
24 EVERYBODY DOESN'T -- YOU WILL SEE EVERY NOW AND
25 THEN THERE IS A WIRE THAT GOES ACROSS HERE THAT
26 TIES THESE TWO THINGS TOGETHER.

1 I WASN'T AWARE OF THIS. BUT I HAVE
2 BEEN TOLD THAT THERE IS OR CAN BE OR HAS BEEN, I
3 AM NOT SURE, A PROBLEM WITH THE WIND OUT HERE.

4 THE WIND BLOWS THIS WAY. AND IF I CAN
5 PRETEND THIS IS LINES OF WIND. AND IT HITS THIS
6 THING. AND THE WIND WILL ROLL AROUND THIS
7 CONDUCTOR. AND IT WILL CAUSE THIS CONDUCTOR TO
8 VIBRATE SLIGHTLY UP AND DOWN.

9 THAT VIBRATION SUPPOSEDLY CAUSES STRESS
10 POINTS IN THE CONDUCTOR. AND THERE CAN BE
11 CONDUCTOR FAILURE AT THAT POINT. CONDUCTOR
12 FAILURE ISN'T A GOOD IDEA.

13 YOU GET AWAY FROM IT DOING A VERTICAL
14 BUNDLE. THIS IS A BUNDLE THAT -- IT'S TIED
15 TOGETHER WITH AN APPARATUS AND HUNG IN THE
16 CENTER LIKE THAT. THIS IS A BUNDLE THAT'S TIED
17 TOGETHER WITH AN APPARATUS AND HUNG LIKE THAT.

18 THE WIND BLOWS AGAINST THESE THINGS AND
19 YOU DON'T GET THE SECONDARY EFFECT OF THE WIND
20 ON THIS DOWNWIND CONDUCTOR.

21 WE ARE LOOKING INTO THAT. I DON'T KNOW
22 HOW BIG A DEAL IT IS. IT LOOKS SLIGHTLY
23 DIFFERENT IF YOU ARE UP CLOSE TO IT. SOMETIMES
24 VIEWED FROM THE GROUND FROM A DISTANCE YOU CAN'T
25 TELL IF THIS WAS A VERTICAL BUNDLE OR A
26 HORIZONTAL BUNDLE. SO IT'S NOT GOING TO BE A

1 BIG DEAL, BUT IT COULD BE SLIGHTLY DIFFERENT IF
2 WE WENT TO THIS.

3 THE ONLY REASON WE WOULD DO THAT IS IF
4 WE IN OUR EVALUATION CONSIDER THIS TO BE ENOUGH
5 OF A RISK IF WE WANT TO GET AWAY FROM IT FROM A
6 MAINTENANCE PERSPECTIVE, CONDUCTOR FAILURE
7 PERSPECTIVE, AND GO TO THIS CONCEPT HERE.

8 MR. ED PENTECOST: ROD, JUST A QUESTION
9 ON THE CONDUCTORS THEMSELVES.

10 I THOUGHT ABOUT THIS. I KNOW THAT THE
11 LINE HAS TO BE DESIGNED TO ALLOW A CERTAIN
12 AMOUNT OF SAGGING AS THE CONDUCTORS HEAT UP.

13 WHAT KIND OF DIFFERENCE WOULD I EXPECT
14 IF I WERE JUST OUT THERE SAY ON AN AVERAGE
15 DECEMBER DAY WHERE IT MIGHT BE 70 DEGREES HERE,
16 IF YOU ARE LUCKY, OR 75, VERSUS TODAY? AND SAY
17 THE LINE IS OPERATED AT FULL LOAD AT THAT TIME.

18 WOULD I SEE MUCH DIFFERENCE IN THE
19 SAGGING?

20 MR. ROD LEAS: PROBABLY NOT. BUT WE
21 WANT TO -- I SAY PROBABLY NOT BECAUSE IT DEPENDS
22 UPON -- IT DEPENDS UPON AMBIENT TEMPERATURE AND
23 LOAD AT THE MOMENT.

24 IT IS POSSIBLE TO STRETCH THESE
25 CONDUCTORS. THEY WILL HEAT UP AND THEY WILL
26 TURN INTO RUBBERBANDS AND THEY WILL SAG WAY

1 DOWN. AND THAT'S NOT A DESIRABLE EFFECT,
2 EITHER.

3 YOU CAN SAG A CONDUCTOR -- I MEAN, YOU
4 CAN OVERLOAD A CONDUCTOR. THE IDEA IS TO ALWAYS
5 OPERATE THE LINE WITHIN IT'S DESIGN PERIMETERS.
6 BUT IT IS POSSIBLE TO OVERLOAD A LINE.

7 IT'S POSSIBLE TO OVERLOAD ANYTHING.
8 YOU CAN DO IT ONCE OR YOU CAN DO IT TWICE AND
9 NOTHING WILL HAPPEN.

10 ON THE NORTHERN STATES POWER SYSTEM
11 THAT I AM FAMILIAR WITH UP IN WISCONSIN, WE WERE
12 OPERATING A LINE ACROSS NORTHERN WISCONSIN ONE
13 TIME IN A VERY DRASTIC OVERLOAD -- 150 PERCENT
14 OVERLOAD CONDITIONS.

15 AND YOU CAN DO THAT PERIODICALLY AND
16 THEN WHEN THE LINE COOLS DOWN IT USUALLY COMES
17 BACK TO WHERE IT'S SUPPOSED TO BE. BUT IT
18 DOESN'T ALWAYS DO THAT.

19 AND WE HAD A MASSIVE FAILURE ON THAT
20 SYSTEM BECAUSE WE SAGGED IT DOWN INTO AN
21 UNDERLYING RAILROAD COMMUNICATIONS LINE. THERE
22 WERE SPARKS ALL OVER THE PLACE. A LOT OF STUFF
23 WENT OUT OF SERVICE.

24 MR. DIRK ANDREAS: THAT'S WHY YOU NEVER
25 WANT TO BE THE GUY ON THE BOTTOM.

26 MR. ROD LEAS: THAT'S RIGHT. YOU ALSO

1 DON'T WANT TO BE THE GUY ON THE BOTTOM WHEN
2 YOU'VE GOT OHM VIBRATION WHICH CAUSES THIS TO
3 HAPPEN AND THIS THING SNAPS AND DROPS ON THE
4 ONE ON THE BOTTOM.

5 YOU WILL SEE THOSE SPARKS THE WHOLE WAY
6 FROM HERE TO TUCSON AND PHOENIX, I WILL
7 GUARANTEE IT.

8 MR. ED PENTECOST: AND THIS PART OF THE
9 WORLD -- ESPECIALLY THIS PROPOSED ROUTE IS NOT
10 GOING TO HAVE THE PROBLEM THAT THEY HAD UP IN
11 IDAHO WITH THE IDAHO POWER AND LIGHT LINE WHERE
12 THEY HADN'T DONE A GOOD JOB OF KEEPING THE
13 VEGETATION CLEARED.

14 YOU MAY REMEMBER ABOUT FOUR OR FIVE
15 YEARS AGO THE BROWNOUTS THAT HIT THE WEST COAST.
16 THERE WAS ONE PINE TREE THAT WAS JUST A LITTLE
17 TOO CLOSE TO THE CONDUCTOR ARCING AND IT JUST
18 SHUT THE WHOLE SYSTEM DOWN.

19 MR. ROD LEAS: THE IDEA -- YOU'VE GOT A
20 TOWER HERE AND A TOWER HERE AND THE LAND. AND
21 THE IDEA HERE IS YOU KEEP THIS SAG. THE LOW
22 POINT OF THE SAG WITHIN NATIONAL ELECTRICAL
23 STANDARD, WHICH IS ABOUT 30, 35 FEET.

24 MS. SUSANNA HENRY: 30 TO 35 FEET OF
25 WHAT? THE GROUND?

26 MR. ROD LEAS: FROM THE LOW POINT TO

1 THE SURFACE OF THE GROUND.

2 AS ED SAID, WHEN THIS THING HEATS UP IT
3 CAN STRETCH AND IT CAN GET BELOW THE MINIMUM SAG
4 POINT. SO IT HAS TO BE DESIGNED THAT IF IT'S IN
5 AN OVERLOAD SITUATION IT WILL NEVER GET TO THAT
6 POINT.

7 IT DOESN'T -- USUALLY IT DOESN'T HURT
8 ANYTHING IF IT DOES, BUT IT'S -- IT'S EXCEEDED
9 STANDARDS AND THAT'S NOT ACCEPTABLE.

10 THERE ARE TWO WAYS TO FIX THAT. THREE
11 WAYS TO FIX IT. YOU BUILD IT RIGHT TO BEGIN
12 WITH. IF YOU DON'T DO THAT YOU'VE GOT TO GO
13 BACK AND EITHER STRETCH THIS TIGHTER. AND THAT
14 GETS EXPENSIVE. THE OTHER SOLUTION I HAVE SEEN
15 IS YOU GO OUT AND YOU DIG A HOLE HERE.

16 MR. ED PENTECOST: AND BACK EAST,
17 DEPENDING ON THE STATE. I KNOW PENNSYLVANIA
18 THEY ALLOW -- I THINK THEY STRONGLY ENCOURAGE
19 UTILITIES TO USE WHAT'S CALLED FEATHERING WHERE
20 THEY HAVE GOT -- SORRY ABOUT THIS DIGRESSION.
21 IT REMINDS ME I STILL HAVE A LITTLE FUTURE LEFT
22 IN ME.

23 BUT THEY ALLOW VEGETATION HERE TO BE
24 HIGHER THAN THIS SHRUBBERY STUFF HERE. NOW, IN
25 THE OLD DAYS TENNESSEE VALLEY AUTHORITY SAID
26 JUST CUT IT ALL OUT OF THERE. JUST CLEAR-CUT

1 EVERYTHING. WE DON'T WANT ANYTHING IN THAT
2 AREA. I KNOW THE STATE OF PENNSYLVANIA
3 ENCOURAGES THAT.

4 AND SO THE MAJOR CLEARING WITH
5 HERBICIDE USE OR SELECTIVE CUTTING, WHATEVER
6 THEY USE, IS IN THIS AREA HERE.

7 MR. ROD LEAS: WE WOULD HOPE THEY DO
8 THAT HERE, TOO.

9 MR. ED PENTECOST: I DON'T SEE ANYTHING
10 ALONG THIS LINE THAT WOULD GET THAT CLOSE TO THE
11 CONDUCTORS. UNLESS IT WOULD BE ALONG -- NO, NOT
12 EVEN THE COLORADO RIVER CROSSING. IT'S GOING TO
13 BE SO FAR ABOVE THAT -- UNLESS SOMEBODY COMES
14 OUT AND PLANTS SOME REAL TALL GROWING
15 COTTONWOODS IN THERE, YOU ARE NOT GOING TO HAVE
16 A PROBLEM.

17 OKAY. THE NEXT SPEAKER IS JIM
18 LEVENSON. HE IS GOING TO TALK ABOUT THE
19 ECOLOGY. IF I CAN GET OUT OF THIS. THE
20 COMPUTER GOT TIRED OF WAITING ON US, SO IT SHUT
21 ITSELF DOWN. HERE WE GO.

22 MR. JAMES LEVENSON: THANKS, ED.

23 MY PRESENTATION IS GOING TO BE JUST
24 PRETTY MUCH OF AN OVERVIEW. IT'S TO BRING US
25 OUT OF SOME OF THE AIR PHOTOS AND DOWN TO THE
26 GROUND THAT ED SHOWED US EARLIER. I'LL GIVE YOU

1 SOME FEEL FOR THE WAY THE LANDSCAPE LOOKS OUT
2 THERE. LIKE I SAY, MOST OF YOU ARE PROBABLY A
3 LOT MORE FAMILIAR WITH IT THAN I.

4 AND I ALSO WANT TO GIVE YOU SOME SORT
5 OF A PARALLELISM WITH ALL OF THE DIFFERENT
6 DISCIPLINES THAT WE WILL BE GOING THROUGH THIS
7 AFTERNOON.

8 OF COURSE, IT WILL START OUT -- THE
9 FIRST SLIDE HERE WILL SHOW OUR DATA SOURCES.
10 VERY MUCH THE SAME AS THOSE THAT ED TALKED
11 ABOUT.

12 THE S.D.G.& E. E.I.S. FOR THAT LINE
13 THAT WE HAVE SEEN ALL MORNING LONG IN A VARIETY
14 OF PHOTOGRAPHS. THE EXISTING -- THE EXISTING
15 ROADWAY THAT WAS ESTABLISHED. THE MAINTENANCE
16 TRACKS ALONG IT.

17 WE ARE USING THE YUMA PROVING GROUND
18 RANGE WIDE E.I.S. DRAFT.

19 WE HAVE BEEN, OF COURSE, IN CONTACT
20 WITH THE ARIZONA NATURAL HERITAGE PROGRAM.
21 WORKING CLOSELY WITH THE B.L.M. DISTRICTS.

22 YOU HAVE SEEN SOME OF THE AIR PHOTO
23 INTERPRETATIONS, SOME OF THE AIR PHOTOS THAT WE
24 ARE USING FROM OUR FLY-OVERS. WE'VE ALSO GOT
25 OTHER AIR PHOTOS THAT HAVE BEEN TAKEN BY THE
26 SOIL CONSERVATION -- FORMER SOIL CONSERVATION

1 SERVICE, GOING BACK A WAYS.

2 WE USE FORUMS LIKE THIS. PUBLIC
3 SCOPING MEETINGS AND THE AGENCY MEETINGS TO GET
4 YOUR INPUT INTO SOME OF THE THINGS THAT CONCERN
5 YOU.

6 AND, OF COURSE, THE OPEN SCIENTIFIC
7 LITERATURE ARE ALL RESOURCES THAT YOU DRAW UPON.

8 OF COURSE, NOTHING BEATS SITE VISITS.

9 IN THE NEXT SLIDE WE WILL SHOW YOU SOME
10 OF THE DATES THAT WE HAVE BEEN OUT HERE, SOME OF
11 THE THINGS THAT WE HAVE DONE.

12 THOSE AIR PHOTOS THAT ED SHOWED YOU
13 EARLIER, A LOT OF THEM COME FROM THE DECEMBER
14 2ND RIGHT-OF-WAY OVERFLIGHT.

15 A COUPLE OF WEEKS LATER WE WERE BACK
16 OUT HERE WITH PART OF THE TEAM. RON AND ED AND
17 MYSELF. AND WE TRAVERSED THE RIGHT-OF-WAY
18 BETWEEN THE PALO VERDE PLANT AND THE AGUA
19 CALIENTE INTERSECTION, AGUA CALIENTE ROAD.

20 THEN IN JANUARY -- EARLY JANUARY ED AND
21 I WERE BACK OUT AGAIN AND WENT ALL THE WAY FROM
22 THE GENERATING STATION TO YUMA.

23 SINCE THEN ED AND OTHER TEAM MEMBERS
24 HAVE TRAVERSED THE MORE RUGGED AREAS. MUGGINS
25 MOUNTAIN ALL THE WAY TO CALEXICO. AND WE HAVE
26 ANOTHER -- ANOTHER SURVEY FOR THE NEW LINKS 6

1 AND 7 COMING UP TOWARDS THE TAIL END OF JULY.

2 ALSO, WE ARE INVOLVED IN SOME FIELD
3 SURVEYS FOR SPECIES THAT ARE OF INTEREST TO THE
4 AGENCIES OUT HERE. THOSE THAT ARE OF COURSE
5 FEDERALLY THREATENED AND ENDANGERED.

6 DAMES & MOORE ALREADY COMPLETED THE
7 FIELD SURVEY FOR THE CACTUS FERRUGINOUS PYGMY
8 OWL FOR THE CENTENNIAL WASH AREA. A STRETCH OF
9 SAGUARO CACTUS HABITAT BETWEEN MILEPOST 10 AND
10 13 AND SOME RIPARIAN HABITATS. BIG WASH
11 HABITATS.

12 NO OWLS WERE DETECTED DURING THAT. IT
13 WAS CONCLUDED THAT FOR THE MOST PART THIS
14 RIGHT-OF-WAY IN THE SURVEY -- THE AREA SURVEYED
15 CERTAINLY IS LOW QUALITY HABITAT FOR THE OWL.
16 AND WE'RE ALSO QUITE A BIT WEST OF WHERE WHAT IS
17 CONSIDERED ITS HISTORICALLY COMMON RANGE.

18 THAT'S NOT TO SAY THAT OWLS HAVEN'T
19 BEEN SIGHTED THIS FAR WEST. IN FACT, THERE ARE
20 SEVERAL SIGHTINGS THAT GO BACK ALMOST A CENTURY.
21 BUT THEY ARE NOT COMMON HERE.

22 THE NEXT SLIDE WILL SHOW SOME OF OUR
23 UPCOMING SURVEYS FOR THE FLAT-TAILED HORNED
24 LIZARD AND THE DESERT TORTOISE. AS I MENTIONED,
25 LATE IN JULY SHOULD BE A WALK IN THE PARK ALONG
26 LINKS 6 AND 7.

1 ALSO GOING TO -- IN THE JULY/AUGUST
2 TIME FRAME BE LOOKING AT THE COLORADO RIVER
3 CROSSING, SPECIFICALLY THE LINK 2, THE CUTOFF AS
4 WE AFFECTIONATELY CALL IT, AND THE ALL-AMERICAN
5 CANAL LINKS 3, 5, 6 AND 7.

6 NEXT.

7 MR. ED PENTECOST: DAMES & MOORE IS
8 GOING TO BE DOING THAT WETLAND SURVEY WITH US.
9 I GUESS BOTH WITH T & E AND WETLAND THE AGENCY
10 OFFICES WANTED TO HAVE LOCAL EXPERTS AND THEY
11 WERE ON THE LIST OF ACCEPTABLE.

12 MR. JAMES LEVENSON: OKAY.

13 MS. NANCY NICOLAI: I HAVE A QUESTION.

14 MR. JAMES LEVENSON: YES.

15 MS. NANCY NICOLAI: NANCY NICOLAI WITH
16 THE B.L.M. EL CENTRO.

17 I AM NOT FAMILIAR WITH WHERE THOSE
18 LINKS ARE ALONG THE ALL-AMERICAN CANAL.

19 YOU NEED TO BE SURE THAT YOU COVER THE
20 WETLANDS THAT ARE ALONG THE ALL-AMERICAN CANAL
21 PORTION THAT ARE PARALLEL TO THE BORDER. SO
22 THERE ARE WETLANDS MUCH FURTHER TO THE WEST I
23 THINK THAN WHERE THOSE LINKS ARE.

24 MR. ED PENTECOST: WOULD THAT BE ALONG
25 LINK 5? POSSIBLY THAT AREA I SHOWED WHERE THE
26 LEAKAGE WAS OCCURRING?

1 MS. NANCY NICOLAI: YES. YES, THOSE
2 LEAKAGES ARE CREATING MODERATE QUALITY WETLAND.

3 MR. ED PENTECOST: THERE'S ONE SPOT
4 THERE WHERE IT LOOKS LIKE THE CANAL IS VERY
5 CLOSE TO THE BORDER. LESS THAN A QUARTER MILE.

6 MS. NANCY NICOLAI: EXTREMELY CLOSE,
7 YES. I AM SORRY, I CAN'T DO IT WITH MY MAP, BUT
8 THEY ARE APPROXIMATELY IN HERE.

9 MR. MICKEY SIEGEL: ACTUALLY IT'S --
10 YEAH, THEY ARE PROBABLY LABELED ON THIS MAP, BUT
11 THAT'S LINK 5. YEAH.

12 MS. NANCY NICOLAI: SO THEY GO RIGHT IN
13 HERE WHERE THE FREEWAY TAKES A CUT. IN THAT
14 VICINITY. AND THERE ARE KNOWN ENDANGERED BIRDS
15 THAT OCCUR IN THOSE WETLANDS, AS WELL.

16 THANKS.

17 MR. JAMES LEVENSON: THANK YOU.

18 AS I INDICATED, I WOULD LIKE TO BRING
19 YOU BACK DOWN TO THE GROUND A LITTLE BIT AND
20 SHOW YOU WHAT SOME OF THIS LOOKS LIKE ON THE
21 GROUND.

22 OUR PRELIMINARY ESTIMATES FOR THE
23 LENGTH OF THE LINE INDICATES THAT ABOUT 70 TO 80
24 PERCENT OF IT IS IN THE CREOSOTE BUSH COVER
25 TYPE. PRIMARILY CREOSOTE BUSH WITH WHITE
26 BURSAGE.

1 THERE IS SOME, OF COURSE, SPECIES
2 COMPOSITION VARIABILITY FROM ONE SITE TO
3 ANOTHER. BUT THE CREOSOTE BUSH IS UBIQUITOUS
4 ACROSS THE LINK AND THE PHYSIOGNOMY IS PRETTY
5 MUCH THE SAME.

6 IN THE SANDIER AREAS YOU GET THE BIG
7 GALLETA GRASS AND WHITE BURSAGE. IN THE ROCKY
8 AREAS, PALO VERDE, BRITTLEBUSH AND A NUMBER OF
9 CACTI.

10 ANOTHER COMMON VEGETATION TYPE IS THE
11 PALO VERDE CACTUS ASSOCIATION TYPICALLY ON THE
12 BAJADAS. HERE YOU CAN SEE A COUPLE OF DIFFERENT
13 SITUATIONS WHERE IT'S IN WITH THE CRUCIFIXION
14 THORN, PALO VERDE.

15 AND YOU CAN ALSO GET A FEEL FOR THE
16 WAY -- IN THE LOWER AREAS WHERE THE DRAINAGE
17 RUNNELS OCCUR WITH THE VEGETATION. IT'S A
18 LITTLE MORE DENSE ALONG THOSE DRAINAGES. AGAIN,
19 A MIX WITH MESQUITE AND A VARIETY OF CACTI.

20 NEXT SLIDE.

21 THOSE POLKA-DOTS THAT WE WERE TALKING
22 ABOUT -- WE HAD A LITTLE BET GOING AS TO WHAT
23 THEY MAY BE -- BUT THE DARK AREA AROUND THE
24 POLKA-DOTS IS DESERT PAVEMENT. THE HIGHER
25 PORTIONS OF THE POLKA-DOTS ARE THE SAND DUNES.
26 TYPICALLY DOMINATED OR -- CERTAINLY WITH

1 MESQUITE AND CREOSOTE BUSH ON THE TOP.
2 THIS IS FAIRLY WELL STABILIZED. BUT
3 ALONG PORTIONS OF THE RUN YOU WILL FIND GRASSES
4 AND PLANTAIN THAT HAVE STABILIZED THE SOIL AND
5 ALSO STABILIZE THE DUNES TO A GREATER EXTENT.
6 AND THE MESQUITE BECOMES A LITTLE BIT MORE
7 DENSE.

8 THIS IS ONE OF THE BEST HABITAT
9 AREAS -- IN FACT, WE WERE TALKING EARLIER -- FOR
10 THE SMALL BURROWING RODENTS.

11 THE UNCONSOLIDATED SANDS ALONG WITH THE
12 MATRIX OF ROUTES AND BRANCHES THAT HAVE BEEN
13 INUNDATED PROVIDES A PRETTY NICE AND READILY
14 ACCESSIBLE HABITAT FOR BURROWING CRITTERS.

15 NEXT SLIDE.

16 RIPARIAN ZONES, OF COURSE, ARE ALWAYS
17 OF INTEREST. AND THE ONLY TRUE RIPARIAN ZONES
18 THAT LIE ALONG THE RIGHT-OF-WAY ARE ALONG THE
19 GILA AND THE COLORADO RIVER. MOST OF IT NOW IS
20 CONVERTED OVER TO SALT CEDAR THICKET.

21 THE MORE COMMON WETLAND TYPE VEGETATION
22 THAT WE HAVE IS ALONG THE BORDERS OF THE WASHES.
23 TYPICALLY PALO VERDE, MESQUITE, IRONWOOD ASH,
24 THESE KINDS OF THINGS, AND AN AWFUL LOT OF
25 CACTUS MIXED IN.

26 NEXT SLIDE.

1 AS YOU SAW, THERE IS SOME RUGGED
2 TERRAIN ALONG THE WAY. THOSE DO POSE TO SOME
3 DEGREE SOME ENGINEERING PROBLEMS.

4 THIS TYPE OF BOULDER SITUATION IS JUST
5 A CLOSEUP OF THIS AREA. AND THIS AREA YOU MAY
6 REMEMBER FROM ED'S SLIDE IS JUST SLIGHTLY
7 ROTATED. HE WAS POINTING OUT THE SIZE OF THE
8 CONSTRUCTION PAD IN THE ROADWAY GOING UP TO THE
9 ASSEMBLY PAD THERE FOR THE TOWER.

10 TYPICALLY CERTAINLY IN ARIZONA. THIS
11 ONE IS NEAR FACE MOUNTAIN. OTHER AREAS ARE
12 ACROSS THE TIP OF THE YELLOW MEDICINE MOUNTAINS.
13 AND, OF COURSE, YOU SAW THE MUGGINS MOUNTAIN AND
14 LAGUNA MOUNTAINS.

15 NEXT.

16 THE TYPE OF THINGS THAT WE WILL BE
17 LOOKING AT IN OUR ASSESSMENT WILL BE THE
18 PRESENCE OF PROTECTED SPECIES, THE OCCURRENCE OF
19 SENSITIVE OR CRITICAL HABITAT FOR THOSE SPECIES.

20 SEASONAL CONSTRAINTS THROUGH
21 CONSTRUCTION TYPICALLY RELATED TO SPECIFIC LIFE
22 CYCLE PERIODS THAT ARE SENSITIVE.

23 WE ARE GOING TO BE -- AND AS WE HEARD
24 FROM ROD THIS MORNING, THERE WILL BE A MINIMUM
25 OF STAGING AREAS, MAYBE TWO OR THREE, AND
26 APPARENTLY NO NEW ACCESS ROADS. SO THAT KIND OF

1 THING WILL BE GREATLY -- GREATLY REDUCED.

2 WE WILL BE LOOKING, OF COURSE, AND VERY
3 INTERESTED IN THE CONSTRUCTION PRACTICES AND HOW
4 MUCH OF THE MATERIAL IS ACTUALLY HELICOPTERED IN
5 AND HOW MUCH OF IT IS TRUCKED IN.

6 AND WE WILL BE LOOKING AT THE ADVERSE
7 AS WELL AS THE BENEFICIAL IMPACTS OF A LOT OF
8 THESE ACTIVITIES.

9 AND MITIGATION MEASURES, OF COURSE,
10 WE'LL BE PROPOSING THE MOST MEANINGFUL AND COST
11 EFFECTIVE ONES WE CAN. BUT ALSO THOSE THAT ARE
12 IN CONCERT WITH THE B.L.M. ACCEPTED MITIGATION
13 PRACTICES FOR THE SITUATION INVOLVED.

14 NEXT.

15 THE CRITICAL AREAS, AS WE SEE THEM
16 RIGHT NOW, WILL BE ALONG THE WASHES AND THE
17 LITTLE RUNNELS. THESE, OF COURSE, ARE THE
18 PRIMARY SOURCES OF FOOD AND COVER FOR THE
19 VERTEBRATES.

20 THEY PROVIDE NOT ONLY SOURCES OF WATER
21 PERIODICALLY, BUT DISPERSAL CORRIDORS, AS WELL,
22 FOR MOVEMENT BACK AND FORTH.

23 IMPACTS TO WILDLIFE INCLUDE AVIAN
24 COLLISIONS WITH THE TOWERS AND THE CONDUCTORS.

25 POTENTIAL ELECTROCUTION OF THE RAPTORS.

26 AND ALSO SOME BENEFICIAL AFFECTS.

1 HERE RED TAIL CERTAINLY TAKING
2 ADVANTAGE OF THE HIGH PERCH. WE NOTICED QUITE A
3 NUMBER OF RED TAILS ON OUR GROUND. THERE ARE
4 ADDITIONAL HAWKS.

5 THE RED TAILS SEEM TO ALSO PREFER THAT
6 LITTLE AREA RIGHT DOWN AT THE FIRST CROSS MEMBER
7 ON THE LATTICE WORK AS A NESTING SITE. IT
8 SEEMED LIKE THERE WERE QUITE A NUMBER OF HAWK
9 NESTS ON THE TOWERS THEMSELVES.

10 AND I THINK IN CONCERT CERTAINLY WITH
11 THE AGRICULTURAL USE NOW IN THE AREA, AS WELL AS
12 THESE HIGH PERCHES, THAT'S BENEFITED THE RED
13 TAILS SIGNIFICANTLY HAVING THESE POWER TOWERS.

14 NEXT.

15 WHEN I TALK ABOUT CRITICAL LIFE CYCLE
16 PERIODS, OF COURSE WE ARE TALKING ABOUT THE
17 BREEDING BIRDS AND THEIR SINGING. WE ARE
18 TALKING ABOUT WET, MOIST AREAS FOR THE
19 AMPHIBIANS. DAMP SOILS, OF COURSE, FOR THE
20 REPTILES, THEIR EGG LAYING, SOIL COMPACTION.

21 NEXT.

22 SOME OF THE PROTECTED SPECIES,
23 THREATENED AND ENDANGERED SPECIES WE ARE LOOKING
24 AT, OF COURSE, WILL BE THE DESERT TORTOISE. AND
25 THERE WAS QUITE A DISCUSSION THIS MORNING ABOUT
26 THE FLAT-TAILED HORNED LIZARD.

1 THE ASSUMPTION IS, AS ED POINTED OUT,
2 THAT BOTH THE YUMA CLAPPER RAIL AND THE
3 SOUTHWESTERN WILLOWS FLYCATCHER ARE PRESENT IN
4 THE RIPARIAN HABITATS AND WILL BE TREATED AS
5 SUCH.

6 NEXT.

7 VEGETATION IMPACTS. THERE'S QUITE A
8 NUMBER OF CERTAINLY STATE-PROTECTED SPECIES THAT
9 WE WANT TO BE SENSITIVE TO, AS WELL.

10 HERE YOU SEE SAGUAROS THAT GROW RIGHT
11 IN THE POWER LINE RIGHT-OF-WAY. AND IN THE PAST
12 THEY HAVE BUILT TOWERS RIGHT AROUND THEM. THERE
13 MAY BE SOME CASES IN WHICH SOME HAVE TO BE
14 REMOVED. DIRECT IMPACTS.

15 THERE IS ALSO INDIRECT IMPACTS THAT WE
16 ARE GOING TO TAKE A LOOK AT, TOO. IT SEEMS LIKE
17 MANY OF THE CACTI GET THEIR START UNDER THE
18 NURSE TREES AND THEN EVENTUALLY EITHER OUT-
19 COMPETE THEM FOR THE WATER RESOURCES OR OUTLIVE
20 THEM AND PERSIST BEYOND THE LIFE OF THE NURSE
21 TREE.

22 NEXT.

23 OTHER IMPACTS OF THE VEGETATION INCLUDE
24 NEW OPPORTUNITIES FOR OFF-ROAD VEHICLE USE AND
25 THE INDELIBLE MARKS THEY LEAVE ON THE DESERT
26 FLOOR.

1 WE TALKED QUITE A BIT ABOUT ASSEMBLY
2 AREAS. SOME OF THESE HAVE PERSISTED FROM THE
3 EARLY '80'S.

4 AND, OF COURSE, WE ARE ALWAYS CONCERNED
5 ABOUT THOSE INADVERTENT MODIFICATIONS TO
6 HABITAT. IN THIS CASE, WHAT, ABOUT MILEPOST 5,
7 6, 7, 8, 9 FROM THE PALO VERDE PLANT THERE IS A
8 RAILWAY CORRIDOR THERE THAT HAS ESSENTIALLY
9 BLOCKED -- IN LARGE PART HELPED CREATE AN
10 IMPOUNDMENT OF SURFACE FLOW IN THE WASHES.

11 AND AS A RESULT, YOU GET A PRETTY LUSH
12 GROWTH OF VEGETATION. IT'S AN ARTIFICIAL, IF
13 YOU WILL, COVER TYPE. BUT NONETHELESS A VERY
14 IMPORTANT ONE FOR BREEDING BIRDS AND RODENTS AND
15 WHATNOT.

16 MR. ED PENTECOST: ANY QUESTIONS IN THE
17 DISCUSSION?

18 MR. JAMES LEVENSON: YES, SIR.

19 MR. FRANK DOUGLAS: FRANK DOUGLAS FROM
20 BATTELLE.

21 HOW ARE YOU ADDRESSING THE NEW
22 EXECUTIVE ORDER ON THE INVASIVE SPECIES?

23 MR. JAMES LEVENSON: YEAH, I AM NOT
24 SURE THAT WE ARE. YOU KNOW, IN OUR TRAVERSE OF
25 THE RIGHT-OF-WAY I AM NOT SURE THAT WE RAN INTO
26 MUCH OR MANY SITUATIONS IN WHICH WE SAW EXOTIC

1 OR INVASIVE SPECIES TAKING OVER A SITUATION.

2 IN FACT, I CAN'T -- I JUST CAN'T THINK
3 OF -- I AM REALLY KIND OF RACKING MY BRAIN HERE
4 OVER ABOUT 105 MILES THAT I SAW.

5 MR. ED PENTECOST: THE SALT CEDAR, OF
6 COURSE.

7 MR. JAMES LEVENSON: YEAH, CERTAINLY
8 THE SALT CEDAR.

9 MR. ED PENTECOST: HOW ABOUT THIS
10 THISTLE GRASS? THIS MEDITERRANEAN GRASS? BUT
11 THAT'S EVERYWHERE OUT HERE, ISN'T IT?

12 MS. KAREN REICHHARDT: BUT THERE IS A
13 POTENTIAL FOR BUFFEL GRASS AND FOUNTAIN GRASS.
14 THEY WERE PLANTED AS RANGE PLANT GRASSES IN
15 MEXICO. THE BUFFEL GRASS WAS PLANTED AS A RANGE
16 GRASS. AND IT'S COME UP THROUGH HIGHWAY, WHAT
17 IS IT, 87 OR 85 BY ORGAN PIPE. AND IT'S ALL
18 ALONG I-8.

19 I THINK THERE IS A POTENTIAL THAT THE
20 SEEDS COULD GET DISTRIBUTED BY THE CONSTRUCTION
21 VEHICLES ON THE ROADS -- ON THE CONFORMED
22 CONSTRUCTION ROADS.

23 MR. ED PENTECOST: SO THAT'S A
24 DISTURBED SITE. IT'S KIND OF LIKE THE RAGWEED
25 IS BACK HOME. WHEREEVER THERE IS DISTURBANCE IT
26 COMES UP.

1 MS. KAREN REICHHARDT: BUT THERE'S
2 MAYBE A MITIGATION MEASURE THAT COULD BE MADE
3 THAT THE SURVEY OR THE CONSTRUCTION LINE WOULD
4 BE SURVEYED FOR A FEW YEARS AND SPRAYED IF THERE
5 WERE ANY INVASIVE WEEDS THAT CROP UP. BUT YOU
6 WOULD WANT TO SPECIFY WHICH WEEDS. BECAUSE, FOR
7 INSTANCE, BUFFEL GRASS AND FOUNTAIN GRASS ARE
8 BOTH PERENNIALS.

9 MR. ED PENTECOST: YOU WERE SAYING
10 EARLIER THAT WAS IMPORTANT FORAGE FOR QUITE A
11 NUMBER OF THE WILDLIFE AND CATTLE I GUESS;
12 RIGHT? THE THISTLE GRASS?

13 MS. KAREN REICHHARDT: YES, IT IS. BUT
14 IT IS CONSIDERED AN INVASIVE WEED.

15 MR. ED PENTECOST: IF YOU CAN GIVE US
16 THE SCIENTIFIC NAMES ON THOSE, A LITTLE
17 BACKGROUND. THE BUFFEL GRASS THE OTHER ONE,
18 THAT WOULD SURE HELP US OUT.

19 MS. ELLEN RUSSELL: AND YOUR NAME FOR
20 THE REPORTER. WOULD YOU GIVE YOUR NAME FOR THE
21 REPORTER?

22 MS. KAREN REICHHARDT: KAREN
23 REICHHARDT.

24 MR. JAMES LEVENSON: DOES YOUR AGENCY
25 HAVE A MITIGATION PLAN OR A CONTROL PLAN?

26 MS. KAREN REICHHARDT: NO. RIGHT NOW

1 WE ARE LOOKING INTO -- WE JUST STARTED WORKING
 2 IN THE SONORAN DESERT WITH WEED MANAGEMENT AND
 3 PARTNERING WITH OTHER AGENCIES. BUT THERE IS
 4 NOTHING OFFICIAL RIGHT NOW. BUT THERE ARE SOME
 5 PROTOCOLS THAT COULD BE DEVELOPED.

6 MR. JAMES LEVENSON: SURE. OKAY.

7 MS. KAREN REICHHARDT: AND WE REALLY
 8 NEED TO LOOK INTO IT FURTHER TO SEE IF IT WOULD
 9 EVEN BE WARRANTED FOR THIS PROJECT.

10 MR. ED PENTECOST: ONE THING THAT YOU
 11 MAY HAVE NOTICED WASN'T ADDRESSED HERE IS
 12 HUNTING OR RECREATIONAL USE OF WILDLIFE. I
 13 GUESS HUNTING WOULD BE THE PROPER TERM.

14 WE NORMALLY COVER THAT IN LAND USE.
 15 BUT I NOTICED SOMEONE FROM ARIZONA GAME AND FISH
 16 WAS HERE.

17 ARE THERE ANY IMPORTANT HUNTING AREAS
 18 ALONG THE CORRIDORS AS YOU SEE IT? RUSS ENGEL;
 19 RIGHT?

20 MR. RUSS ENGEL: YEAH.

21 MR. ED PENTECOST: OR WOULD THE LINE
 22 INTERRUPT THE MOVEMENT OF ANY HUNTED SPECIES OR
 23 CONSTRUCTION, RUSS?

24 MR. RUSS ENGEL: I WOULDN'T ANTICIPATE
 25 A HUGE IMPACT, SINCE THERE IS ALREADY AN
 26 INTERRUPTION THERE WITH THE PREVIOUS LINE AND

1 THE RAILROAD. SO I WOULDN'T SEE A HUGE ADDITION
2 FROM THAT.

3 MR. ED PENTECOST: FROM A LOT OF THE
4 WASHES WE SAW, TOO, IT LOOKED LIKE THE RAILROAD
5 TRACKS IS HIGH ENOUGH THAT YOU CAN ALMOST DRIVE
6 A VEHICLE UNDER IT. SO CERTAINLY IF THE
7 WILDLIFE LEARNED THAT THEY ARE GOING TO MOVE
8 THROUGH THERE.

9 BUT I DIDN'T -- THE DATA I GOT FROM
10 PHOENIX ON THE HUNTED SPECIES DIDN'T INDICATE
11 THAT THERE WAS ANY ONE AREA DOWN HERE WHERE YOU
12 WOULD LIKELY HAVE A CONCENTRATION OF HUNTERS
13 THAT WOULD BE NEAR THE LINE.

14 MR. RUSS ENGEL: WE WILL LOOK AT IT
15 CLOSER. BUT AT THIS POINT I DON'T SEE ANYTHING
16 TOO ADVERSE.

17 MR. ED PENTECOST: FRANK?

18 MR. FRANK DOUGLAS: FRANK DOUGLAS.

19 ARE THERE ANY PLANS TO REVEGETATE ANY
20 OF THE STAGING AREAS THAT WOULD HAVE TO BE
21 CONSTRUCTED OR THE NEW ROADWAYS THAT WOULD HAVE
22 TO BE CONSTRUCTED?

23 MR. ROD LEAS: IF THAT IS SOMETHING
24 THAT IS DESIRABLE WE CAN CERTAINLY LOOK INTO IT.

25 AT THIS POINT, SINCE WE DON'T KNOW
26 WHERE THEY WILL BE OR HOW MANY THERE WILL BE,

1 THERE AREN'T SPECIFIC PLANS FOR DOING THAT.

2 THAT WOULD BE PART OF A MITIGATION PLAN
3 THAT WOULD BE PUT TOGETHER. IT'S KIND OF HARD
4 TO MAKE PLANS WHEN YOU DON'T KNOW WHERE
5 SOMETHING IS GOING TO HAPPEN.

6 MR. DIRK ANDREAS: ROD, IS IT THE
7 INTENTION TO USE AS MUCH OF WHAT'S THERE
8 ALREADY?

9 MR. ROD LEAS: OH, YEAH.

10 MR. DIRK ANDREAS: THE INTENTION IS NOT
11 TO BUILD ANY NEW AREAS.

12 MR. ROD LEAS: THE INTENTION IS NOT TO
13 DISTURB NEW AREAS. WE WILL USE EXISTING AREAS
14 TO THE GREATEST EXTENT POSSIBLE.

15 IT MIGHT BE NECESSARY TO EXPAND
16 EXISTING AREAS. IF THERE ARE AREAS THAT ARE
17 JUST -- IF WE JUST ABSOLUTELY NEED A NEW AREA WE
18 WILL HAVE TO TAKE A NEW AREA. BUT IF -- WE ARE
19 GOING TO TRY TO MINIMIZE THAT TO THE GREATEST
20 EXTENT POSSIBLE.

21 MR. ED PENTECOST: ONE OF THE THINGS WE
22 HAVEN'T TALKED ABOUT THIS MORNING, I DON'T
23 BELIEVE, IS ONCE THE TOWERS ARE UP AND YOU ARE
24 STRINGING YOUR CONDUCTORS, UNLESS YOU PULL THEM
25 BY HELICOPTER, WHICH IS WHAT WE'LL PROBABLY DO
26 IN SOME OF THE RUGGED TERRAIN, IT'S NORMALLY

1 DONE FROM THE GROUND.

2 HOW MUCH OF AN AREA IS DISTURBED
3 TYPICALLY FROM THE CONDUCTORS, BRINGING THE
4 EQUIPMENT, AND HOW -- HOW FREQUENT WOULD YOU
5 HAVE THAT. WOULD IT BE LIKE EVERY FOURTH TOWER
6 OR FIFTH TOWER? IF YOU WERE PULLING THE
7 CONDUCTORS THROUGH THE MOUNTAINS ON THE TOWERS
8 FROM THE GROUND. WOULD THAT BE --

9 MR. ROD LEAS: YEAH, THAT WOULD BE
10 ABOUT RIGHT. AND AGAIN THAT WOULD DEPEND UPON
11 THE CONTRACTOR, THE TYPE OF EQUIPMENT THAT HE'S
12 CHOSEN TO USE.

13 THERE IS A LOT THAT WE DON'T KNOW YET
14 ABOUT THE SPECIFICS OF HOW THE LINE WILL GET
15 BUILT.

16 MR. ED PENTECOST: WE, OF COURSE, WILL
17 NEED TO MAKE SOME ASSUMPTIONS IN OUR ANALYSIS OF
18 IMPACTS ON VEGETATION.

19 I NOTICED ONE OF THE THINGS IN THE
20 B.L.M. LIST OF MITIGATIONS, WHICH I CAN COVER A
21 LITTLE MORE THIS AFTERNOON, IT TALKED ABOUT
22 CRUSHING THE VEGETATION THAT'S IN PLACE. IF YOU
23 HAVE TO DISTURB IT, CRUSHING AND LEAVING IT IN
24 PLACE.

25 IS THAT SO YOU WILL GET VEGETATED
26 GROWTH FROM THE ROOTS AS OPPOSED TO JUST BLADING

1 IT OFF AND RESEEDING?

2 MS. KAREN REICHHARDT: YES.

3 MR. ED PENTECOST: A LONG QUESTION,
4 EASY ANSWER.

5 MR. MICKEY SIEGEL: TO GET BACK TO THE
6 QUESTION ABOUT REVEGETATION -- MAYBE THE B.L.M.
7 CAN RESPOND. OUR PRACTICE HAS BEEN IN THIS TYPE
8 OF CONDITIONS THAT REVEGETATION, EVEN IF
9 ATTEMPTED, IS NOT SUCCESSFUL BECAUSE YOU CAN'T
10 PROVIDE WATER AND A CONTINUOUS SUPPLY OF WATER
11 OVER A LONG ENOUGH PERIOD OF TIME.

12 SO AS A RULE, WITH THE EXCEPTION OF
13 AREAS SAY NEAR THE COLORADO RIVER, THE WETLANDS,
14 IN PARTICULAR, THERE WOULD NOT BE A SPECIFIC
15 MITIGATION REQUIREMENT FOR REVEGETATION.

16 IS THAT CONSISTENT?

17 MR. DAVE DANIELS: I CAN ADDRESS THAT.
18 DAVE DANIELS, B.L.M.

19 THE ONLY TIME -- WELL, NORMALLY, YOU
20 KNOW, THERE IS ENOUGH SEEDS IN THE DESERT. THE
21 PROBLEM IS THE LACK OF WATER.

22 WHAT WE'D DO ON THE BIG STAGING AREAS
23 IS WE WANT YOU TO REDUCE THE COMPACTION. YOU
24 KNOW, RIP IT AND DRESS IT UP. OTHER THAN THAT
25 THERE IS PLENTY OF SEEDS OUT THERE. WE JUST
26 HAVE TO WAIT FOR WHEN WE GET THE RAIN.

1 SO NORMALLY WE WOULDN'T HAVE YOU REVEG.
2 MAY HAVE YOU SALVAGE OR TRANSPLANT SOME SAGUAROS
3 OR OCOTILLOS THAT ARE IN THE WAY IF THEY ARE IN
4 THE WAY OF YOUR STAGING AREA. SET THEM OFF TO
5 THE SIDE, THEN SET THEM BACK WHEN YOU ARE DONE.

6 BUT AS FAR AS SEEDING OR MULCHING,
7 NORMALLY WE WOULD NEVER REQUIRE THAT.

8 MR. ROD LEAS: THIS AREA THAT WE ARE
9 GOING TO BE WORKING THROUGH, AS YOU ALL KNOW, IS
10 A VERY FRAGILE AREA. WE CAN GO OUT EITHER ON
11 FOOT OR IN A VEHICLE OR BETTER YET IN AN
12 AIRPLANE AND YOU CAN SEE ALL OVER THE PLACE
13 THERE. ALL IT TAKES IS ONE TRUCK OR CAR TO
14 DRIVE THROUGH THE AREA AND IT LASTS FOR YEARS.
15 I DON'T KNOW. HUNDREDS OF YEARS? I DON'T KNOW
16 HOW LONG.

17 I DON'T KNOW HOW YOU REVEGETATE THOSE
18 AREAS. THE BEST WAY IS DON'T MAKE A MESS TO
19 BEGIN WITH. AND OUR INTENT IS TO KEEP ANY
20 ADDITIONAL MESS TO AN ABSOLUTE MINIMUM.

21 UNFORTUNATELY YOU DON'T BUILD ANYTHING
22 WITHOUT GETTING IN THERE AND DOING SOMETHING.
23 WE CAN'T HOVER OVER THE AREA AND DRILL A HOLE.
24 WE HAVE GOT TO SIT DOWN. WE HAVE GOT TO WORK ON
25 THE SURFACE OF THE LAND.

26 WE CAN DO A LOT BY AIR. DEPENDING UPON

1 THE CONTRACTOR WE USE WE MAY DO MOST OF IT BY
2 AIR. OR WE MAY NOT DO MUCH OF IT BY AIR. I
3 DON'T KNOW YET. I CAN'T TELL YOU HOW THAT'S
4 GOING TO WORK OUT.

5 HOWEVER WE DO IT, IT'S OUR INTENT TO
6 MINIMIZE THE DAMAGE THAT WE DO. BUT THAT'S EASY
7 TO SAY. AND IN PRACTICE THERE WILL BE DAMAGE.
8 WE ALL KNOW THAT.

9 AGAIN, WE WILL TRY TO REPAIR THE MESS
10 WE MAKE TO THE GREATEST EXTENT POSSIBLE. BUT
11 AGAIN I SAY ALL YOU HAVE TO DO IS FLY OVER THE
12 AREA AND NOT VERY FAR OFF THE GROUND YOU CAN SEE
13 TRACKS ALL OVER THE PLACE. ONE DRIVE THROUGH AN
14 AREA LASTS FOR YEARS AND YEARS. AND I DON'T
15 KNOW HOW YOU FIX THAT.

16 MR. ED PENTECOST: ANY OTHER COMMENTS
17 OR QUESTIONS?

18 YES, I HAVE A FURTHER ONE. SOUNDS LIKE
19 AT LEAST FOR THIS PART OF ARIZONA THERE IS NO
20 RECOMMENDED SEED MIXTURE FOR REVEGING BECAUSE OF
21 LACK OF WATER.

22 MR. DAVE DANIELS: WE HAVE A SEED
23 MIXTURE, BUT MOST OF THE TIME WE ARE FEEDING THE
24 RODENTS.

25 MR. ED PENTECOST: SOME STATES HAVE
26 THAT.

1 MR. DAVE DANIELS: WE HAVE A STANDARD
2 SEED MIXTURE WE USE SOMETIMES. BUT, YOU KNOW,
3 NORMALLY YOU ARE BETTER OFF TO LET THE DESERT
4 JUST DO ITS OWN THING. ESPECIALLY AROUND LINEAR
5 DISTURBANCES.

6 MS. NANCY NICOLAI: NANCY NICOLAI FROM
7 B.L.M. EL CENTRO.

8 THE ONLY EXCEPTION I HAVE TO THAT RULE
9 IS IN AREAS WHERE TAMARISK CAN COME INTO AN AREA
10 BECAUSE YOU HAVE -- THE GROUND MIGHT STAY MOIST
11 FOR A PERIOD OF TIME ALONG THE ALL-AMERICAN
12 CANAL AND SOME OF THE OTHER PLACES.

13 IN THOSE AREAS I WOULD SUGGEST DOING
14 SOMETHING. THERE IS A VARIETY OF DIFFERENT
15 TECHNIQUES. TO COVER THE SOIL BACK OVER AGAIN
16 SO THAT TAMARISK SEEDS CAN'T GET STARTED.

17 SO YOU CAN EITHER DO A PLANT -- BUT, OF
18 COURSE, THOSE WOULD HAVE TO BE LARGE PLANTS TO
19 COVER THE GROUND -- OR YOU CAN PUT OTHER KINDS
20 OF MULCH. PALM BRANCHES AND THINGS LIKE THAT SO
21 THAT THE TAMARISK CANNOT COME BACK UP. SO
22 THAT'S A CONCERN IN THOSE ZONES.

23 MR. ED PENTECOST: THE EXACT LOCATIONS
24 OF SOME OF THOSE WOULD BE DIFFICULT TO PREDICT
25 AT THIS POINT, BUT WE CAN CERTAINLY SAY IF THE
26 TOWER HAD TO GO IN SOME OF THESE WETLAND AREAS

1 NEAR THE CANAL CROSSING -- IF IT WAS SOMETHING
2 THAT JUST COULDN'T BE AVOIDED -- THEN THAT KIND
3 OF MITIGATION COULD BE INSTITUTED. WHICH IS A
4 GOOD IDEA.

5 NOW, WHEN THE -- WHEN OUR PART IS
6 FINISHED AND ROD HAS ISSUED -- ROD LEAS AND
7 OTHERS LAY OUT THE CENTERLINE, THAT HAS TO BE
8 PROVIDED TO B.L.M.; RIGHT? THE EXACT PARCELS,
9 WHERE IT'S GOING TO BE AND ROUGHLY WHERE. THEN
10 YOU GET DOWN TO WHERE THE TOWERS MIGHT ACTUALLY
11 GO.

12 SO THERE MIGHT BE OPPORTUNITY THEN
13 WHERE WE COULDN'T ADDRESS IT IN AN E.I.S. WHERE
14 YOU FOLKS COULD MAKE THAT EITHER A CONDITION IN
15 THE PERMIT OR JUST A SPECIFIC MITIGATION -- OR
16 GENERAL MITIGATION I SHOULD SAY.

17 YES, SIR.

18 MR. JOHN SWENSON: MY QUESTION HAS TO
19 DO WITH THE USE OF COLORADO RIVER WATER AS A
20 RESULT OF THIS POWER LINE GOING INTO MEXICALI.

21 THE COCOPAH INDIANS IN MEXICO DEPEND
22 UPON COLORADO RIVER, AS DOES EVERYBODY ELSE, FOR
23 WATER.

24 AND THEY HAVE A VERY DIFFICULT TIME
25 ACQUIRING WATER IN TERMS OF AGRICULTURE.

26 AND AS THE CONSUMPTIVE BUILDOUT OF THIS

1 NEW POWER AVAILABLE TO MEXICALI OCCURS, WHAT
2 WILL THAT HAVE ON IT AS AN IMPACT TO THE
3 AGRICULTURAL WATER OUTSIDE THE AREA OF MEXICALI?
4 HOW MUCH WATER WILL THAT TAKE IN TERMS OF A
5 POPULATION INCREASE, THE BUSINESS INCREASE, THE
6 SOCIETAL INCREASE IN THAT AREA AS FAR AS IMPACT
7 ON THE AGRICULTURAL USE OF WATER.

8 I KNOW LIKE IN IMPERIAL IRRIGATION
9 DISTRICT RIGHT NOW SAN DIEGO IS REQUESTING THE
10 FARMERS TO CUT BACK 200,000 ACRE FEET A YEAR TO
11 GIVE THEM WATER IN SAN DIEGO.

12 AND THIS KIND OF SHIFT IN MEXICO WHERE
13 WATER IS EXTREMELY SHORT NOW WILL HIGHLY IMPACT
14 PEOPLE BEYOND THE REGION OF THAT CITY IN TERMS
15 OF THEIR AGRICULTURE. AND I WOULD BELIEVE THAT
16 THAT'S AN IMPACT THAT SHOULD BE A CONSEQUENCE
17 ADDRESSED HERE. JUST AS A POINT OF INTEREST.

18 MR. ED PENTECOST: IT'S OFTENTIMES
19 DIFFICULT TO KNOW HOW FAR TO GO ON THE BREADTH
20 OF ONE'S ANALYSIS. BUT THIS CERTAINLY COULD BE
21 IN THE PRELIMINARY OR SECONDARY IMPACTS AS WE
22 WOULD CALL THEM.

23 MR. ART GASTELUM: ART GASTELUM.

24 WHETHER THE POWER LINE GOES IN OR NOT
25 MEXICO WILL BUILD POWER PLANTS. THIS IS NOT IF
26 WE DON'T BUILD THE LINE THE GROWTH DOESN'T COME.

1 THE GROWTH'S GOING TO BE THERE BECAUSE MEXICO
2 WILL GO WITH BUILDING THE POWER PLANT.

3 MR. JOHN SWENSON: SO IS THE QUESTION
4 THE RESPONSIBILITY OF THE MEXICAN E.I.S.?

5 MR. ED PENTECOST: ELLEN, DO YOU HAVE
6 ANY THOUGHTS?

7 MS. ELLEN RUSSELL: I DO NOT KNOW THE
8 ANSWER TO THAT.

9 MR. ED PENTECOST: IT'S A GOOD
10 QUESTION.

11 YES, GAIL.

12 MS. GAIL GALLAGHER: GAIL GALLAGHER
13 WITH YUMA COUNTY.

14 IN ADDITION TO THAT, THERE ARE
15 SEVERAL -- THEY CALL THEM EJIDOS, WHICH ARE THE
16 LITTLE MEXICAN VILLAGES THAT ARE TO THE EAST OF
17 THERE. AND AS THE EXPANSION OF THE CITY OCCURS
18 HERE YOU GET MORE PEOPLE BUILDING OUT THERE IN
19 THE LITTLE VILLAGES, TOO, THAT WOULD BE TO THE
20 EAST TAKING UP MORE OF THE AGRICULTURAL LAND.
21 SO THAT'S SOMETHING ELSE.

22 MR. JOHN SWENSON: THERE IS A FINITE
23 DELIVERY OF WATER TO MEXICO. A FINITE
24 DELIVERED. AND THE WHOLE QUESTION OF THE BASIN
25 AREA AND THE WHOLE ECOLOGY DOWN THERE IS A VERY
26 BAD SITUATION RIGHT NOW.

1 AND WHENEVER THERE IS ANOTHER DRAW OF
2 WATER THAT MAY BE WATER GOING INTO THE
3 ENVIRONMENT, IT'S NOT GOOD FOR THE ENVIRONMENT
4 AT ALL.

5 I WOULD JUST LIKE TO SEE SOMETHING
6 ADDRESSED HERE.

7 MR. ED PENTECOST: WE KNOW SOMETHING
8 ABOUT THE DISTRIBUTION WATER USE RIGHT ALONG THE
9 BORDER. I THINK IT WOULD BE LUDICROUS TO JUST
10 SAY, WELL, THE IMPACT STOPS RIGHT HERE BECAUSE
11 THE ENDANGERED SPECIES DOESN'T RECOGNIZE THE
12 BORDER. AND THIS -- WHILE I AGREE WITH ART'S
13 COMMENT, YOU KNOW, IT'S --

14 MR. JOHN SWENSON: THIS IS A SERIOUS
15 CONCERN FOR THE COCOPAH BECAUSE OF THE PROBLEMS
16 THE PEOPLE HAVE AS IT IS BEING IN MEXICO.

17 MR. CLYDE GOULD: CLYDE GOULD, WELLTON-
18 MOHAWK.

19 WHAT YOU ARE DEALING WITH THERE IS A
20 PROBLEM THAT THE WHOLE SOUTHWEST IS DEALING
21 WITH.

22 WHEN ASKED WHAT IS HAPPENING IS THAT
23 THE LAND IS EXCEEDING THE RESOURCE. AND THE
24 DEMAND TO A LARGE DEGREE IS BASED ON PEOPLE AND
25 DOLLARS IN HIGH DENSITY URBAN AREAS WHICH
26 DEVELOPS A CONFLICT BETWEEN AGRICULTURE AND THE

1 SOCIETY IN THE URBAN AREAS.

2 AND WE TRY TO MANIPULATE SOLUTIONS TO
3 THE PROBLEMS, BUT THE REAL PROBLEM IS THERE IS
4 TOO MANY DEMANDS IN AN AREA THAT CAN'T SUPPLY
5 THE RESOURCE.

6 THE DEMAND TO A LARGE DEGREE IT'S
7 CAPABLE AND IT'S DIRECTED BY DOLLARS. IT'S A
8 POLITICAL PROBLEM AND I DON'T KNOW THE SOLUTION
9 TO IT. BUT I THINK WE HAVE BEEN STRUGGLING WITH
10 IT FOR YEARS.

11 SO YOU ARE TALKING ABOUT THE SAME
12 PROBLEM WE ARE TALKING ABOUT. THAT'S WHY SAN
13 DIEGO WANTS WATER FROM IMPERIAL, BECAUSE THEY
14 NEED WATER. THERE'S PEOPLE AND DOLLARS THERE.
15 IMPERIAL HAS A LARGE ALLOCATION OF WATER. AND
16 SO THEY TRY TO MANIPULATE.

17 MR. JOHN SWENSON: THEY HAVE MORE
18 FLEXIBILITY THERE THAN THEY DO IN MEXICO
19 FINANCIALLY. ANYWAY, IT'S A THOUGHT.

20 MR. ED PENTECOST: THANK YOU VERY MUCH.

21 I THINK WE ARE AT OUR BREAK POINT FOR
22 LUNCH.

23 ELLEN DID YOU HAVE A COMMENT ABOUT
24 WHERE WE MIGHT HAVE LUNCH OR --

25 MS. RUSSELL: YEAH, THE D.O.E. IS NOT
26 BUYING.

1 (THE LUNCH RECESS WAS TAKEN AT 11:43
2 A.M., RESUMING BACK ON THE RECORD AT 1:00
3 O'CLOCK P.M.)

4 * * * * *

5 MR. ED PENTECOST: I AM NOT SURE THIS
6 IS GOING TO TAKE A HALF HOUR, BUT I AM GLAD THE
7 PHOENIX B.L.M. OFFICE IS HERE AND ALL THE REST
8 OF YOU THAT HAVE CONTROL OVER THE LANDS,
9 BECAUSE I WANT TO MAKE SURE I HAVEN'T MISSED
10 SOMETHING HERE.

11 ELLEN, DO YOU WANT TO HIT THE SWITCH
12 AND GET STARTED?

13 MS. ELLEN RUSSELL: YES.

14 MR. ED PENTECOST: BASICALLY JUST A
15 REVIEW.

16 THE LAND USE WILL LOOK AT IMPACTS ON
17 AGRICULTURE, IMPACTS TO RECREATIONAL USERS,
18 RESIDENTIAL AREAS. I DON'T THINK WE ARE GOING
19 TO HAVE MUCH OF A PROBLEM THERE.

20 MILITARY ACTIVITIES ON Y.P.G. AND
21 PROJECT IMPACTS ON FUTURE LAND USE PLANNING.

22 WE ALWAYS TRY TO GET INTO THAT AREA, AS
23 FUTURE LAND USE PLANS ARE AVAILABLE.

24 NOW, LYNDIA, I WAS ABLE TO -- AFTER I
25 MET WITH YOU FOLKS ON APRIL 1ST JIM AND I WADED
26 THROUGH THE RAINSTORM -- IT NEVER RAINS, BUT IT

1 DID THAT DAY -- DOWN TO THE PLANNING OFFICE
2 THERE IN EL CENTRO.

3 AND I HAVE A COUPLE DIFFERENT COMPONENT
4 PLANS, LIKE A COMPREHENSIVE PLAN, THAT SHOWED
5 EXISTING UTILITY CORRIDORS AND THAT.

6 SO I WILL BE LOOKING AT THAT FOR YUMA.
7 OR EL CENTRO. IMPERIAL COUNTY. I WILL GET IT
8 RIGHT IN A MINUTE.

9 AND I WOULD LIKE TO MAKE SURE IN
10 MARICOPA I HAVE COVERED ALL THAT.

11 THERE DOESN'T SEEM TO BE MUCH IN THE
12 WAY OF LAND USE PLANNING DOCUMENTS FOR THE PART
13 OF MARICOPA COUNTY THAT THIS PROJECT GOES
14 THROUGH.

15 WHEN JIM AND I WERE TRAVELING THE LINE
16 IN JANUARY WE TOOK PICTURES SOMEWHERE NEAR
17 DATELAND, AND IT'S ON THE SOUTH SIDE OF THE
18 PAVED ROAD, I BELIEVE, AND IT SAID -- WE DIDN'T
19 BRING PICTURES OF THAT SIGN, BUT IT SAID
20 "DATELAND LAND DEVELOPMENT, LAND PARCELS
21 AVAILABLE," AND A PHONE NUMBER.

22 BUT I CAN'T -- I DON'T THINK THAT WOULD
23 BE THE GILA BEND PLANNING COMMISSION'S AREA, SO
24 I DON'T KNOW WHO WOULD HAVE RESPONSIBILITY FOR
25 THAT.

26 MS. GAIL GALLAGHER: FOR DATELAND?

1 MR. ED PENTECOST: YEAH.

2 MS. GAIL GALLAGHER: THAT WOULD BE YUMA
3 COUNTY.

4 MR. ED PENTECOST: IT WOULD BE YUMA
5 COUNTY.

6 MS. GAIL GALLAGHER: YES.

7 MR. ED PENTECOST: DO YOU KNOW OF ANY
8 HOUSING DEVELOPMENTS UP THERE?

9 MS. GAIL GALLAGHER: WE HAVE
10 SUBDIVISIONS OUT THERE. THERE ARE SOME LEGAL
11 SUBDIVISIONS AND THEN WHAT WE CALL PAPER-
12 PLATTED SUBDIVISIONS.

13 MR. ED PENTECOST: WHEN I DID THE
14 COMPREHENSIVE PLAN I DIDN'T SEE THAT.

15 MS. GAIL GALLAGHER: THEY DIDN'T
16 DISCUSS IT. THEY DIDN'T DISCUSS IT.

17 MR. ED PENTECOST: THEY DIDN'T DISCUSS
18 IT.

19 SO DO YOU HAVE ANYTHING DOCUMENTED ON
20 IT? A WRITE-UP OR --

21 MS. GAIL GALLAGHER: I AM GOING TO HAVE
22 TO DO SOME RESEARCH AND FIND OUT -- OTHER THAN
23 THE ACTUAL PLATS I WILL HAVE TO FIND OUT WHAT
24 ELSE WE HAVE.

25 MR. ED PENTECOST: ROD, TELLS US THAT
26 AT THAT LOCATION YOU ARE GOING TO BE NORTH OF

1 THE LINE AND MAYBE EVEN NORTH OF THE RAILROAD
2 TRACKS. BECAUSE, AS I RECALL, THAT WAS PRETTY
3 CLOSE TO THE LINE IN THE ROAD. EITHER HYDER
4 ROAD -- EITHER AFTER WE GOT ON THE DIRT ROAD OR
5 BACKED UP BETWEEN AGUA CALIENTE AND THE TURNOFF
6 SOUTH OF DATELAND.

7 SO IF I COULD CHECK WITH YOU ON THAT,
8 GAIL, I WOULD APPRECIATE IT.

9 MS. GAIL GALLAGHER: OKAY.

10 MR. ED PENTECOST: WE ARE GENERALLY
11 LOOKING AT ANY LAND USE NEARBY WHERE THERE MIGHT
12 BE -- FUTURE LAND USE MIGHT BE AFFECTED JUST
13 BECAUSE OF THE EXISTENCE OF THE LINE.

14 Y.P.G. I BELIEVE WHEN ROD AND JIM
15 CHECKED WITH PEOPLE THERE, THEY HAVE A BOUNDARY
16 AREA OR A SWATHE OF LAND AROUND THE PERIPHERY OF
17 THE Y.P.G. THAT REALLY NOT MUCH OF ANYTHING GOES
18 ON IN THOSE AREAS.

19 FOR THE FIRST FEW POINTS IN YUMA COUNTY
20 WHERE THE LINE WOULD TRANSECT JUST BITS AND
21 CORNERS OF THE YUMA PROVING GROUND, THERE IS NO
22 PROBLEM THERE.

23 AND I GUESS IN LINK 2 THERE IS NO
24 PROBLEM THERE, EITHER. THERE IS NO MILITARY
25 ACTIVITY DOWN IN THAT PART OF THE Y.P.G. AND
26 THAT'S PROBABLY WHAT WE WILL SAY.

1 DESIGNATED WILDERNESS AREAS.

2 I DID MENTION THE SIGNAL MOUNTAIN
3 WILDERNESS AREA THIS MORNING. THAT'S UP IN
4 MARICOPA COUNTY AT ABOUT MILEPOST 17, 16,
5 SOMETHING LIKE THAT.

6 WE HAVE STOOD ON WHAT WE THINK IS THE
7 CORNER OF THE SIGNAL MOUNTAIN WILDERNESS AREA
8 AND LOOKED AT THE LINE AND WE HAVE TAKEN
9 PHOTOGRAPHS. AND WE WILL DO THAT VISUAL
10 RESOURCE ANALYSIS AT THAT LOCATION.

11 BUT WE ARE HAVING A HARD TIME
12 FINDING -- I DON'T THINK THERE IS ANY USE
13 INFORMATION ON THAT ONE. IT MIGHT HAVE BEEN
14 THE LOWER GILA RESOURCE MANAGEMENT PLAN. BUT WE
15 DIDN'T FIND ANYTHING ON THAT.

16 IF ANYBODY HAS ANY DATA ON NUMBERS OF
17 USERS OF SIGNAL MOUNTAIN WILDERNESS AREA.

18 MS. ELLEN RUSSELL: BUT NO TOWERS ARE
19 GOING TO BE ACTUALLY ON WILDERNESS --

20 MR. ED PENTECOST: NO. THE NEAREST
21 POINT WOULD BE THE NORTHWEST CORNER OF
22 WILDERNESS AREA AND AT ROUGHLY A HALF MILE AS
23 THE BIRD FLIES -- AS THE CROW FLIES THROUGH THE
24 LINE.

25 THAT MIGHT BE A POINT -- WHEN I LOOKED
26 AT THOSE TOWERS -- AS I AM NOT AN ENGINEER, SO I

1 CAN'T SAY. BUT IT JUST LOOKED LIKE IT WAS KIND
2 OF NARROW JUST FROM STANDING OUT THERE LOOKING
3 AT IT TO BE ABLE TO GO ON THE NORTH SIDE OF THE
4 LINE HERE. SO WE MIGHT WANT TO CHECK THAT.
5 AROUND YELLOW MEDICINE MOUNTAINS AND THAT AREA.

6 THE NEXT SLIDE.

7 OKAY. THIS IS A LIST OF WHAT I HAVE
8 USED. THE AERIAL PHOTOGRAPHS. THE BLACK AND
9 WHITES, WHICH MICKEY HAS PROVIDED TO US.

10 THE INFRARED PHOTOS SHOW US THE
11 EXISTING LAND USE. BACK IN 1996 IS WHEN THOSE
12 PHOTOS WERE TAKEN. THESE WERE IN THE SPRING, SO
13 THEY ARE MORE CURRENT.

14 I OBTAINED INFORMATION FROM LUCAS
15 LUCERO AND FROM ANGELA AND STAFF AT THE B.L.M.
16 PHOENIX FIELD OFFICE ON EXISTING AGRICULTURAL
17 AND GRAZING LEASES.

18 NOW, AS YOU KNOW, AT LEAST FOR THE
19 PHOENIX FIELD OFFICE, THOSE GRAZING LEASES COVER
20 SEVERAL THOUSAND ACRES, SOME OF THEM. AND THE
21 LINE -- EXISTING LINE IS JUST THROUGH A VERY
22 SMALL PORTION OF THAT. SO I WILL TRY TO
23 MENTION THAT WHEN I WRITE THAT UP IN THE LAND
24 USE SECTION.

25 THERE WAS ONE OLD LEASE, ANGELA,
26 THAT -- THE PHOTOCOPY WE GOT PROBABLY FROM JIM

1 ANDERSON WHEN GARY MARMER CAME BY. I COULDN'T
2 TELL WHETHER IT WAS STILL IN EXISTENCE OR WHAT
3 IT WAS. IT HAD SOMETHING TO DO WITH PAINTED
4 ROCK RESERVOIR LANDS OR WATER RIGHTS LANDS OR
5 SOMETHING UP ALONG THE LINE. SO I NEED TO CHECK
6 WITH YOU ON THAT.

7 MS. ANGELA MOGEL: IT DIDN'T SAY IF --
8 IT DIDN'T HAVE A DATE OR ANYTHING ON IT?

9 MR. ED PENTECOST: NO. WELL, '73. I
10 THINK THAT WAS '73, AND I LEFT IT OUT BECAUSE I
11 COULDN'T FIGURE OUT WHETHER IT WAS STILL IN
12 EXISTENCE OR NOT.

13 BUT LET ME GIVE YOU A CALL NEXT WEEK
14 AND WE CAN FIGURE THAT ONE OUT.

15 MS. ANGELA MOGEL: OKAY.

16 MR. ED PENTECOST: AS MANY OF YOU KNOW,
17 IN THE BACK OF THE SOIL SURVEY REPORTS THEY HAVE
18 AERIAL PHOTOGRAPHS TAKEN AT SOME POINT IN TIME,
19 WHENEVER THE DOCUMENT WAS WRITTEN, AND THEN THEY
20 OVERLAY THE SOIL TYPES ON THAT.

21 SO IF YOU KNOW WHEN THAT PHOTO WAS
22 TAKEN YOU HAVE AN IDEA OF WHAT WAS GOING ON
23 THERE IN THE WAY OF LAND USE. SO WE LOOKED AT
24 THOSE, AS WELL.

25 RECREATIONAL USE OF WILDERNESS AREAS, I
26 MENTIONED THAT EARLIER.

1 ONE PIECE OF INFORMATION THAT WE GOT
2 FROM SOMEONE AT THE B.L.M. PHOENIX FIELD OFFICE
3 WAS THIS BYWAYS PROGRAM WHICH WE ARE TRYING TO
4 ENCOURAGE PEOPLE TO USE, THE BACK COUNTRY.

5 MS. ANGELA MOGEL: BACK COUNTRY BYWAY.

6 MR. ED PENTECOST: THE BACK COUNTRY
7 BYWAYS. AND I HAVE SOME PENCILED-IN NUMBERS.

8 DOES YUMA HAVE ANY SUCH THING FOR THEIR
9 FIELD OFFICE? ANYBODY KNOW? BACK COUNTRY
10 BYWAYS?

11 MR. JOHN REID: NONE IN THAT AREA.

12 MR. ED PENTECOST: OKAY.

13 MR. JOHN REID: JOHN REID WITH THE
14 BUREAU OF LAND MANAGEMENT.

15 MR. ED PENTECOST: HELLO, JOHN.

16 MR. JOHN REID: ANOTHER -- JUST A PLACE
17 WHERE YOU MIGHT BE ABLE TO GET SOME DATA. AND
18 THEY SHOULD HAVE PROVIDED THAT TO YOU WHEN YOU
19 WERE ASKING ABOUT SIGNAL MOUNTAIN. YOU MAY HAVE
20 TO ASK SPECIFICALLY.

21 WE HAVE A DATABASE CALLED THE
22 RECREATION MANAGEMENT INFORMATION SYSTEM.
23 R.M.I.S.

24 AND IT'S A DATABASE OF ALL OF OUR
25 VISITOR USE. AND IT'S -- TYPICALLY ALL OF
26 THOSE WILDERNESS AREAS SHOULD HAVE A FIELD OR --

1 YOU KNOW, THERE SHOULD BE DATA ENTERED RELATIVE
2 TO EACH OF THOSE WILDERNESS AREAS.

3 MR. ED PENTECOST: SO IS THAT AVAILABLE
4 AT EACH FIELD OFFICE? YOUR RECREATIONAL
5 MANAGEMENT INFORMATION SYSTEM.

6 MR. JOHN REID: SYSTEM.

7 MR. ED PENTECOST: OKAY.

8 MR. DAVE DANIELS: THERE WAS A STATE-
9 WIDE E.I.S. FOR THE WILDERNESS AREAS, TOO. IT
10 WOULD HAVE VISITOR USE NUMBERS FOR THE WHOLE
11 STATE.

12 MR. ED PENTECOST: THAT'S INTERESTING.
13 I WASN'T AWARE OF THAT DOCUMENT.

14 THE LOWER GILA RESOURCE MANAGEMENT
15 LAND, IT TALKS ABOUT FROM THAT POINT IN TIME --
16 I THINK THAT WAS 1984 OR '5 -- AS WILDERNESS
17 STUDY AREAS. SO THEY HADN'T BEEN DESIGNATED AT
18 THAT POINT IN TIME. AND I OFTEN WONDERED AS I
19 PICKED THAT UP WAS WHETHER THERE WAS A LATER
20 DOCUMENT.

21 MR. DAVE DANIELS: YEAH, THERE WAS AN
22 E.I.S. THAT'S PROBABLY '87, '88, SOMEWHERE IN
23 THERE YOU MIGHT FIND MORE USEFUL INFORMATION.

24 MR. ED PENTECOST: OKAY.

25 MR. JOHN REID: AND THE MOST CURRENT IS
26 THE SIGNAL MOUNTAIN. IT'S CALLED THE MARICOPA

1 COMPLEX WILDERNESS PLAN. I AM SORRY? OKAY, I
2 TAKE IT BACK. THEY ARE DOING IT NOW. IT WILL
3 BE VERY CURRENT.

4 MR. ED PENTECOST: SO WHERE WOULD I GET
5 A COPY OF THIS E.I.S.?

6 MR. JOHN REID: YOU CAN GET ONE IN OUR
7 OFFICE.

8 MR. DAVE DANIELS: I HAVE ONE YOU CAN
9 BORROW.

10 MR. ED PENTECOST: OKAY. GAIL?

11 MS. GAIL GALLAGHER: I JUST RECALL THAT
12 IN THE DATELAND/HYDER SECTION WESTERN ARIZONA
13 COUNCIL OF GOVERNMENTS HAS ASSESSMENTS THAT THEY
14 HAVE DONE FOR THE HEADSTART PROGRAM BECAUSE THEY
15 SERVICE THAT AREA FOR THE HEADSTART AND THEY
16 HAVE A LOT OF STATISTICS. THEY DID A FULL
17 ASSESSMENT OF THOSE TWO COMMUNITIES.

18 SO YOU CAN PICK THAT UP AT 782-1886,
19 AREA CODE (520).

20 MR. ED PENTECOST: OKAY. WHAT'S THE
21 NAME OF THE ORGANIZATION AGAIN?

22 MS. GAIL GALLAGHER: WESTERN ARIZONA
23 COUNCIL OF GOVERNMENTS. THEY ARE OUR REGIONAL
24 PLANNING AGENCY HERE.

25 MR. ED PENTECOST: OKAY. I WAS
26 WONDERING IF JIM ALLISON OUR SOCIOECONOMIST ON

1 THE TEAM HAS ALREADY CHECKED WITH THEM, BUT I
2 WILL FOLLOW THAT UP. WE'VE GOT IT DOWN HERE.
3 WE CAN TRACK IT DOWN.

4 WHAT WE TYPICALLY TRY TO DO IS MAKE A
5 BEST GUESTIMATE ON HOW MANY TOWERS. AND IT'S
6 MORE IMPORTANT PROBABLY IN AG LAND THAN IT IS
7 OPEN RANGE LAND.

8 YOU SAY, OKAY, YOU'VE GOT 180 MILES OF
9 LINE. YOU ARE GOING TO NEED FOUR TOWERS PER
10 MILE, ROUGHLY. AND IF THEY ARE STEEL LATTICE,
11 FOUR-CORNERED TOWERS, THIS IS THE AMOUNT OF LAND
12 THAT WILL BE TAKEN OUT OF PRODUCTION. AND SO WE
13 TRY TO QUANTIFY THAT.

14 HERE, UNLESS WE WERE TO GO ALONG THE
15 PROPOSED ROUTE, I HAVE NOT SEEN ANY AGRICULTURAL
16 LAND THAT WOULD BE CROSSED.

17 AND N.R.G. IS SAYING THAT THEY WILL USE
18 THE SINGLE-POLE STRUCTURE WHICH WOULD TAKE LESS
19 LAND OUT OF PRODUCTION AND YOU WOULD TRY TO GO
20 BETWEEN FIELDS RATHER THAN CROSSING ANY FIELD.

21 I THINK THAT IS POSSIBLE, HAVING SEEN
22 THAT PART OF THE ROUTE.

23 MR. ROD LEAS: TO THE EXTENT IF WE HAVE
24 TO BE ON AGRICULTURAL LAND, WE WOULD FOLLOW
25 SECTION LINES WITH FIELD BOUNDARIES RATHER THAN
26 CUT ACROSS FIELDS. AND WE WOULDN'T DIAGONALLY

1 CROSS FIELDS.

2 WE'VE HAD A LOT OF DISCUSSION WITH
3 IRRIGATORS AND FARMERS IN THE AREA ABOUT CROP
4 DUSTING. CUTTING ACROSS -- DIAGONALLY ACROSS
5 FIELDS OR DOING ANYTHING THAT WOULD INTERFERE
6 WITH CROP DUSTING WOULD BE A REAL PROBLEM FOR
7 THEM.

8 MR. ED PENTECOST: I AM NOT SURE WHAT
9 WE ARE GOING TO SEE DOWN HERE. I DON'T BELIEVE
10 WE ARE CLOSE ENOUGH TO ANY AIRFIELDS OR FLY
11 ZONES THAT WE WILL INTERFERE WITH. BUT WE WILL
12 DOUBLE-CHECK ON THAT.

13 NEXT SLIDE.

14 THAT MUST HAVE BEEN THE END. I THINK I
15 ONLY HAD THREE OR FOUR SLIDES ON THAT.

16 IS THERE ANYTHING THAT YOU CAN THINK OF
17 THAT I MAY HAVE LEFT OUT ON LAND USE?

18 RON, YOU HAD MENTIONED EARLIER AT
19 LUNCHTIME -- RON YUEN, Y-U-E-N -- ABOUT PRIME
20 FARMLANDS. THAT'S SOMETHING THAT WE -- IT KIND
21 OF DEPENDS ON THE DOCUMENT. WE USUALLY COVER
22 IT IN LAND USE. SOMETIMES IT'S COVERED IN
23 GEOLOGY AND SOILS. BUT WE WILL HAVE TO SAY
24 SOMETHING ABOUT IT, BECAUSE IT IS A REQUIREMENT
25 OF FEDERAL AGENCIES TO LOOK AT ANY POTENTIAL
26 IMPACTS TO PRIME FARMLANDS.

1 WE WERE TOLD IN EARLIER MEETINGS THAT
2 ANYTHING IN YUMA VALLEY THAT'S IRRIGATED IS
3 PRIME FARMLAND.

4 RON YUEN SAID THAT THERE MIGHT BE SOME
5 DISCREPANCY ON WHAT N.R.C.S. HAD TOLD US AND
6 WHERE PRIME FARMLAND ACTUALLY EXISTS.

7 MR. RON YUEN: YES, I THINK EVEN THOUGH
8 WE GOT A LETTER SAYING THAT THERE'S NO PRIME
9 FARMLAND IN THE YUMA COUNTY OR MARICOPA COUNTY,
10 IT SEEMS IT'S UNLIKELY. SO WE SHOULD GO FURTHER
11 AND LOOK INTO THE ISSUE, IS THERE ANY PRIME
12 FARMLAND ALONG THAT AREA. ESPECIALLY THE AREA
13 OF YUMA.

14 SO I DON'T KNOW THAT ANYBODY HAS NEW
15 INFORMATION RELATED TO PRIME FARMLANDS.

16 MS. GAIL GALLAGHER: GAIL GALLAGHER.

17 WELLTON-MOHAWK IRRIGATION DISTRICT
18 WOULD HAVE -- THEY HAVE A MAP. SO THAT THEY
19 SHOULD HAVE A MAP OF WHOM THEY PROVIDE ALL THE
20 IRRIGATION WATER TO.

21 MR. RON YUEN: OKAY.

22 MR. DAVE DANIELS: BUREAU OF
23 RECLAMATION HAS THAT, TOO.

24 MR. ED PENTECOST: DOES B.L.M.
25 TYPICALLY KEEP TRACK OF THAT FOR YOUR AG LEASES
26 OR -- OKAY. THAT'S GOOD. WE DON'T WANT TO ADD

1 REDUNDANCY HERE. ONE AGENCY KEEPING TRACK AND
2 DOING THE SAME THING AS ANOTHER AGENCY. WE
3 CAN'T HAVE THAT.

4 KEEP IN MIND, SOMETIMES WE RUN INTO
5 PROBLEMS BACK IN THE MIDWEST THAT THE LAND IS
6 NOT BEING FARMED. IT DOESN'T NECESSARILY MEAN
7 THAT IT'S NOT PRIME FARMLAND. IT CAN HAVE THE
8 CHARACTERISTICS.

9 GENERALLY IF THE N.R.C.S. HAS DONE
10 THEIR JOB AT THE STATE OFFICE LEVEL, THEY HAVE
11 IDENTIFIED THOSE KINDS OF LANDS AND LABELED THEM
12 AS PRIME.

13 I DON'T SEE A BIG PROBLEM HERE, BUT WE
14 WILL DOUBLE-CHECK. PROBABLY GOING TO BE MORE
15 OF AN ISSUE ON THE PROPOSED ROUTE IN CALIFORNIA,
16 WOULDN'T YOU THINK, RON, THAN IN ARIZONA?

17 MR. RON YUEN: I THINK SO, YEAH.

18 MR. ED PENTECOST: CULTURAL RESOURCES.
19 TEN MINUTES AHEAD OF SCHEDULE. SO PLEASE STOP
20 ME IF YOU HAVE ANYTHING AT ALL THAT YOU THINK I
21 HAVE MISSED.

22 WE HAVE CONTACTED A NUMBER OF
23 ORGANIZATIONS AND WE HAVE BEEN IN THE FIELD TO
24 SOME EXTENT. IT'S VERY DIFFICULT WHEN YOU HAVE
25 180 MILES TO LOOK AT.

26 I THINK WHAT CONNIE WESTCOTT, OUR

1 CULTURE RESOURCES SPECIALIST HAS FOUND -- AND,
2 BOMA, YOU MAY WANT TO COMMENT ON THAT -- IS THE
3 DATA THAT WERE IN THE 1992, '93 IMPERIAL
4 IRRIGATION STUDY THAT WE COULDN'T COPY, BUT WE
5 LOOKED AT, WAS BASED ON OLD SURVEY RECORDS. AND
6 A LOT OF THIS HASN'T BEEN SURVEYED RECENTLY.

7 MR. BOMA JOHNSON: THAT'S CORRECT.

8 BOMA JOHNSON, B.L.M.

9 I THINK WHAT CONNIE NEEDS TO DO -- AND,
10 OF COURSE, WE ARE WILLING FOR BACKUP ON THE
11 SUPPORT FOR HER -- IS TO TAKE A REAL SERIOUS
12 LOOK AT THE PREVIOUS SURVEY THAT HAS HAPPENED
13 ALONG THE PROPOSED ROUTE.

14 WHERE IT'S QUITE CLEAR THAT A CLASS 3
15 SURVEY AS ALREADY BEEN COMPLETED AND WE HAVE
16 THAT INFORMATION AVAILABLE TO US, WE DON'T
17 REQUIRE A NEW CLASS 3 SURVEY, WHICH MEANS 100
18 PERCENT.

19 WE CAN LIVE WITH SPOT-CHECKING AT THAT
20 POINT, IF THERE IS SOME NEW ACTIVITIES THAT ARE
21 GOING TO AFFECT GROUND THAT HAS NOT BEEN
22 SURVEYED.

23 BUT, FOR THE MOST PART, THE GENERAL
24 RULE IS THAT IF THERE IS NEW AREAS THAT ARE
25 GOING TO BE IMPACTED, ESPECIALLY TOWER FEET PADS
26 OR ACCESS ROADS, THAT WE DO REQUIRE A CLASS 3

1 SURVEY TO COVER THOSE AREAS.

2 AND, AGAIN, IF THE PREVIOUS DATA IS A
3 LITTLE BIT SHAKY, A LITTLE BIT LOOSE, A LITTLE
4 BIT UNCERTAIN, THEN WE PREFER THAT IT BE LOOKED
5 AT AGAIN AT THE CLASS 3 LEVEL.

6 MR. ED PENTECOST: BUT YOU WOULDN'T
7 NECESSARILY EXPECT TO SEE THAT IN THIS E.I.S.
8 SINCE THE CENTERLINE COULDN'T BE IDENTIFIED AT
9 THIS POINT OR MAY NOT -- I WOULDN'T THINK WOULD
10 BE IDENTIFIED.

11 MR. BOMA JOHNSON: WELL, WHAT WE WOULD
12 HAVE TO DO IS JUST -- THE E.I.S. WOULD SPECIFY
13 THE KIND OF BOILER PLATE INFORMATION THAT WOULD
14 DICTATE WHAT HAPPENS.

15 MR. ED PENTECOST: OKAY. HOW ABOUT AS
16 WE WRITE THAT MITIGATION UP I HAVE CONNIE MAYBE
17 CONTACTED YOU. I THINK SHE STILL PLANS TO GET
18 BACK IN TOUCH.

19 MR. BOMA JOHNSON: YES.

20 MR. ED PENTECOST: BILL?

21 MR. BILL PYOTT: BILL PYOTT, FORT YUMA
22 AGENCY.

23 I NOTICED AN OFFICE IS MISSING OFF YOUR
24 LIST. THAT'S OUR PHOENIX AREA OFFICE OF BUREAU
25 OF INDIAN AFFAIRS. OUR AREA ARCHEOLOGIST NEEDS
26 TO BE INVOLVED.

1 MR. ED PENTECOST: OKAY. PHOENIX AREA
2 OFFICE OF THE B.I.A.

3 RON, CAN YOU MAKE A NOTE OF THAT SO I
4 CAN TELL CONNIE WHEN WE GET BACK?

5 I WILL TELL YOU WHAT HAS BEEN DONE. WE
6 HAVE CONTRACTED WITH IMPERIAL VALLEY, THE COUNTY
7 MUSEUM. AND THEY SPENT A NUMBER OF HOURS
8 RESEARCHING THE FILES AND THEY HAVE PLOTTED
9 SITES ON THE MAP FOR CONNIE'S USE AND HAVE
10 PROVIDED THE COPIES OF SOME OF THE FILE RECORDS.

11 WE HAVE ALSO DONE THE SAME THING WITH
12 THE ARIZONA STATE MUSEUM IN TUCSON. AND WE HAVE
13 VISITED THE B.L.M. PHOENIX FIELD OFFICE, THE
14 YUMA FIELD OFFICE.

15 AND I DON'T KNOW WHETHER CONNIE HAS
16 BEEN TO EL CENTRO YET AND TALKED WITH ANYONE OR
17 SHE IS COMING. SHE HAS STILL GOT TO DO THAT.
18 THAT'S RIGHT. SHE WAS TELLING ME THAT.

19 NOW, YOU DID NOT HAVE AN
20 ARCHEOLOGIST --

21 MS. DEBBIE DEBOCK: WHEN SHE COMES
22 AFTER JULY 18TH OUR NEW ARCHEOLOGIST MARGARET
23 CLINGER WILL BE THERE.

24 MR. ED PENTECOST: OKAY. WE'LL MOST
25 CERTAINLY BE --

26 MS. DEBBIE DEBOCK: AND WILL BE GLAD TO

1 HELP HER.

2 MR. ED PENTECOST: THANK YOU VERY MUCH.

3 I WILL SAY THAT JOAN OXENDINE FROM THE
4 RIVERSIDE DISTRICT OFFICE ATTENDED THE APRIL 1ST
5 MEETING AND LOOKED AT OUR WORK PLAN AND MADE
6 SOME SUGGESTIONS THERE. SO THEY HAD INPUT.

7 NEXT SLIDE, JIM.

8 OKAY. WE KNOW THAT WE HAVE TO IDENTIFY
9 CULTURAL SITES, BUT WE CANNOT SHOW THEM IN THE
10 DOCUMENT. THAT IS IN VIOLATION OF THE LAW.

11 SO I THINK WHAT CONNIE PLANS TO DO IS
12 FOR THE VARIOUS LINKS WE WILL HAVE -- LINK 1 WE
13 WILL SPLIT INTO 1A, B, C, AND D, ROUGHLY 30
14 MILES EACH SEGMENT.

15 I THINK THE FIRST IS ONLY TEN MILES,
16 LINE 1A. BUT THEN 2, 3, 4, 5, 6, 7 WE WILL
17 IDENTIFY THE KINDS OF SITES THAT HAVE BEEN
18 RECORDED AND NOT INDICATE WHERE THEY ARE
19 LOCATED. AND THAT SHOULD BE OKAY FOR THE E.I.S.
20 PURPOSES.

21 I GUESS IF IT'S IDENTIFIED EXACT
22 LOCATIONS THEN IT'S A NATIONAL HISTORIC
23 PRESERVATION ACT -- IT VIOLATES SOME CLAUSE
24 THERE?

25 MR. BOMA JOHNSON: YES, IT WOULD BE
26 RELATED TO THAT NATIONAL HISTORIC PRESERVATION

1 -- NATIONAL REGISTER OF HISTORIC PLACES KIND OF
2 THING THAT YOU HAVE ON THE SECOND COLUMN THERE.

3 MR. ED PENTECOST: WE THANK CARROLL
4 HARVIER AND EARL HOLLIS THAT WENT OUT WITH US.
5 WE GOT SOME REAL GOOD INFORMATION ON THE NORTH
6 SIDE OF THE FORT YUMA RESERVATION OF THE TYPES
7 OF SITES. AND I KNOW CONNIE BENEFITED A LOT
8 FROM THAT.

9 I THINK WE WILL BE -- WE HAVE NOW
10 WRITTEN UP IN THE AFFECTED ENVIRONMENT THE KIND
11 OF CONSTRUCTION ACTIVITIES THAT ARE GOING TO
12 TAKE PLACE. I HAVE NOW MADE THAT AVAILABLE TO
13 EACH TEAM MEMBER SO THEY CAN SAY, OKAY, IN MY
14 AREA THAT MEANS X, Y, Z AS FAR AS IMPACTS. SO
15 CONNIE WILL BE LOOKING AT THAT.

16 I KNOW ONE OF THE THINGS THAT WE TALKED
17 WITH CARROLL AND EARL ABOUT WAS WHAT KIND OF
18 MITIGATION COULD PREVENT OR REDUCE THE AMOUNT OF
19 OFF-ROAD VEHICLE USE AT SOME OF THESE AREAS.

20 SO WE ARE NOT AS CONCERNED ALONG THE
21 EXISTING CORRIDOR AS I WOULD BE FOR A NEW
22 CORRIDOR. YOU HAVE A BRAND NEW RIGHT-OF-WAY NOW
23 AND PEOPLE ARE JUST GOING TO SAY LET'S DRIVE
24 DOWN THERE AND SEE WHAT THIS IS ALL ABOUT.

25 WE WILL TRY TO PUT THE APPROPRIATE
26 WORDS IN TO COVER SOME THINGS THAT COULD BE

1 DONE.

2 THAT MAY BE MY LAST SLIDE HERE, JIM.

3 THAT'S IT.

4 BILL, CONNIE WOULD KNOW THE ANSWER TO
5 THIS, BUT I DON'T RECALL.

6 DO YOU GUYS KEEP AN INVENTORY ON THE
7 FORT YUMA RESERVATION OF WHERE THE SITES ARE
8 LOCATED AND SO ON OR NOT?

9 MR. BILL PYOTT: NO.

10 MR. ED PENTECOST: AND THE COCOPAH
11 LANDS ARE ALL TO THE SOUTH, SO IT'S NOT
12 INVOLVING ANY OF THEIR LANDS.

13 MR. CARROLL HARVIER: DID YOU GET A MAP
14 FROM THE TRIBE ABOUT THE SITES THAT ARE
15 IDENTIFIED AROUND THE PILOT KNOB AREA? DIDN'T
16 WE FURNISH YOU WITH THOSE MAPS YET?

17 MR. ED PENTECOST: I WOULD HAVE TO ASK.
18 I DON'T REMEMBER HER MENTIONING IT, BUT I WILL
19 HAVE TO ASK. THE SITES AROUND THE PILOT KNOB
20 AREA.

21 MR. CARROLL HARVIER: YEAH. THEN ALONG
22 THE EXISTING SAN DIEGO CORRIDOR. SAN DIEGO GAS
23 AND ELECTRIC CORRIDOR.

24 MR. ED PENTECOST: THAT WOULD ALL BE
25 ALONG THE NORTH SIDE. SHE MAY HAVE GOTTEN THAT
26 ALREADY, BUT I WILL CHECK.

1 MR. CARROLL HARVIER: I HAVE ANOTHER
2 QUESTION.

3 MR. ED PENTECOST: YEAH.

4 MR. CARROLL HARVIER: MAYBE IT'S A
5 LITTLE PREMATURE.

6 ARE THERE GOING TO BE ASSURANCES ON
7 THIS THAT YOU ARE PREPARING FOR SO FAR AS THE
8 PROTECTION OF THOSE CULTURAL RESOURCES AND OF
9 THE LAND.

10 I KNOW IT WAS EARLIER MENTIONED -- I
11 DON'T KNOW WHETHER JIM MENTIONED IT OR SOMEBODY
12 ELSE DID, THAT THEY WERE GOING TO HAVE PEOPLE
13 THERE WITHIN THE CREWS TO OVERSEE THAT.

14 AND THE REASON I ASK IS BECAUSE WHEN
15 THE TRIBE HAD GIVEN PERMISSION WITH THE SAN
16 DIEGO GAS AND ELECTRIC LINE TO BE PUT UP -- IF
17 YOU REMEMBER THIS, WE DISCUSSED THIS WHEN WE
18 WERE OUT ON THE SITE -- IS THAT THEY KIND OF
19 JUST BULLDOZED OVER A LOT OF CULTURAL AREAS
20 THERE WHEN THEY CROSSED THE ALL-AMERICAN CANAL.
21 SPECIFICALLY WHEN THEY CROSSED THAT AREA.

22 ARE THERE GOING TO BE ASSURANCES IN
23 PLACE? BECAUSE, YOU KNOW, WHEN YOU COME TO DEAL
24 WITH THE TRIBE THAT'S GOING TO BE A REAL STICKY
25 POINT WITH THEM. DO YOU KNOW HOW THEY ARE GOING
26 TO DEAL WITH THAT?

1 MR. ED PENTECOST: WHAT I WOULD THINK
2 COULD BE DONE -- WHAT WE CAN SAY IN THIS E.I.S.
3 IS THAT A QUALIFIED ARCHEOLOGIST WILL BE IN THE
4 FIELD WITH THE CREWS. MAYBE THAT'S SOMETHING
5 B.L.M. OFTEN REQUIRES. AND THAT EDUCATION IS
6 GOING TO GO ON FOR THE WORKERS.

7 I THINK YOU WOULD HAVE TO BE CAREFUL
8 WITH CULTURAL RESOURCES TO DEAL WITH T & E
9 SPECIES, AS WELL.

10 BUT EDUCATE THEM ON KIND OF WHAT TO
11 LOOK FOR BEFORE THEY EVER GO INTO THE FIELD.
12 ROD?

13 MR. ROD LEAS: WE HAVE TALKED WITH YOU,
14 YOU KNOW, AND WITH THE COUNCIL PRESIDENT ABOUT
15 HIRING TRIBAL MEMBERS WHO ARE FAMILIAR WITH THE
16 CULTURAL RESOURCES AND HAVE THEM BE IN THE FIELD
17 DURING THE CONSTRUCTION SO THAT WE KNOW WHAT IS
18 IMPORTANT AND THAT WE CAN AVOID IT.

19 THAT SEEMS TO BE THE ONLY LOGICAL WAY
20 TO DO IT. BECAUSE I CAN'T BE EXPECTED TO KNOW
21 WHAT'S IMPORTANT. I DON'T KNOW WHAT'S IMPORTANT
22 TO THE TRIBE FROM A HISTORIC OR CULTURAL
23 PERSPECTIVE.

24 BUT THEY SHOULD. AND WE ARE PREPARED
25 TO HIRE THEM TO ASSIST US DURING CONSTRUCTION IN
26 MONITORING SORT OF THE CONSTRUCTION INSPECTION

1 PHASE.

2 MR. ED PENTECOST: IN THE MITIGATION,
3 IF YOU SAW A SITE THEN AND YOU HAD A DISCUSSION,
4 YOU CAN SAY, WELL, CAN YOUR TOWER BE MOVED 50
5 FEET HERE OR THERE.

6 WELL, IF IT CAN'T CAN A RESOURCE BE
7 RECOVERED AND PRESERVED IN SOME WAY.

8 MR. ROD LEAS: IT'S PRETTY HARD TO MOVE
9 TOWERS. YOU PRETTY MUCH HAVE TO DETERMINE WHERE
10 THEY ARE GOING TO BE DURING THE DESIGN PHASE.

11 BUT WE CAN SUBMIT OUR DESIGN PLANS AND
12 SPECIFICATIONS -- PLAN AND PROFILE TO THE TRIBE
13 IN ADVANCE SO THAT IF THERE IS A PROBLEM WE CAN
14 DESIGN IT IN.

15 THESE TOWERS ARE PRETTY MUCH DESIGNED
16 FOR WHERE THEY ARE GOING TO BE INSTEAD OF MOVING
17 THEM AROUND.

18 MR. ED PENTECOST: I HAVE A QUESTION
19 FOR B.L.M.

20 ON THE BUREAU OF RECLAMATION WITHDRAWAL
21 LANDS THAT YOU FOLKS DO THINGS ON, WHO HAS
22 RESPONSIBILITY FOR THE ARCHEOLOGICAL SITES
23 THERE? DOES THE BUREAU OF REC DELIGATE THAT TO
24 YOU GUYS OR B.L.M.?

25 MR. BOMA JOHNSON: SOMEWHAT. NOT
26 ENTIRELY, THOUGH. THEY HAVE AN ARCHEOLOGIST ON

1 THEIR STAFF, AS OF THIS YEAR. EARLIER IN THE
2 PREVIOUS YEAR THEY DIDN'T. HER NAME IS CAROL
3 TAOS. AND SHE NEEDS TO BE BROUGHT UP TO SPEED
4 ON THIS. AND I WISH SHE WERE HERE TODAY.

5 BUT ANY TIME THAT THERE IS BUREAU OF
6 RECLAMATION LAND INVOLVED -- MOST OF THE TIME IN
7 THE PAST IT WAS MY RESPONSIBILITY AS A B.L.M.
8 CULTURAL SPECIALIST TO ASSUME THE PROTECTIVE
9 ROLE CONCERNING THOSE RESOURCES. AND THE MAIN
10 REASON WAS BECAUSE THEY DIDN'T HAVE A STAFF
11 PERSON. WELL, NOW THEY DO.

12 AND SO WE HAVE KIND OF A JOINT
13 RESPONSIBILITY, ESPECIALLY FOR CERTAIN LANDS
14 THAT WERE SET APART WAY BACK IN THE '60'S FOR
15 B.L.M. AND THE BUREAU OF RECLAMATION PURPOSES.

16 A LOT OF LAND THAT'S BEEN ACQUIRED BY
17 RECLAMATION THE B.L.M. HAS NO JURISDICTION ON.
18 SO IN SOME AREAS WE HAVE A DUAL RESPONSIBILITY.

19 MR. ED PENTECOST: AND IS THE SAME TRUE
20 FOR WILDLIFE RESOURCES, DEBBIE, DO YOU KNOW?

21 MS. DEBBIE DEBOCK: NO, I THINK IT'S
22 PROBABLY A JOINT THING. BECAUSE THEY DO A LOT
23 OF THEIR OWN.

24 MR. ED PENTECOST: BECAUSE WHEN I
25 LOOKED AT THESE JURISDICTIONAL MAPS THERE IS A
26 LOT OF CROSS-ACTION HERE WHERE BUREAU OF REC

1 HAVE WITHDRAWN FROM YOUR USE, I GUESS.

2 I SUSPECT, GOING BACK TO CARROLL'S
3 QUESTION, WE WILL PROBABLY HAVE QUITE A BIT IN
4 THE E.I.S. IN THE MITIGATION SECTION ON CULTURAL
5 RESOURCES. EVERY ONE I HAVE LOOKED AT HAS SOME
6 FAIRLY SPECIFIC GUIDELINES ON WHAT IS TO BE
7 DONE.

8 I GUESS THE THING IS POLICING THIS. DO
9 YOU EVER GET INTO A SITUATION WHERE YOU HAVE TO
10 DO ANY SPOT-CHECKS TO SEE IF THE MITIGATION IS
11 REALLY BEING CARRIED OUT? OR DO YOU CHECK SAY
12 ON A MONTHLY BASIS OR MAYBE EVEN HAVE A CALL-IN
13 REQUIREMENT OR SOMETHING WHERE IF SOMETHING IS
14 FOUND IN A NOTIFICATION CHAIN THIS PERSON WILL
15 BE NOTIFIED, THAT PERSON?.

16 MR. DAVE DANIELS: THAT'S USUALLY RIGHT
17 IN THE MITIGATION STUFF. YOU KNOW, IF YOU FIND
18 SOMETHING, YOU STOP THEM. WITHIN SO MANY HOURS
19 CONTACT THE AUTHORIZED OFFICER. YOU KNOW, WE
20 WILL RESPOND WITHIN A CERTAIN AMOUNT OF TIME.
21 USUALLY IT'S WRITTEN RIGHT WITHIN THE MITIGATION
22 STUFF.

23 MS. DEBBIE DEBOCK: DEBBIE DEBOCK WITH
24 B.L.M.

25 ALSO WE ASK FOR LIKE WRITTEN REPORTS --
26 DAILY WRITTEN REPORTS OR CALL-INS DAILY,

1 DEPENDING ON THE AREA THAT THEY ARE IN.

2 WE HAVE HAD AREAS THAT HAD CULTURAL
3 RESOURCES -- NOT THE SPECIFIC SITE, BUT A PART
4 OF AN AREA WAS FLAGGED TO PREVENT ANYBODY FROM
5 GOING PAST THAT.

6 MR. ED PENTECOST: OKAY.

7 MS. DEBBIE DEBOCK: ANY TYPES OF
8 PROBLEMS THEY USUALLY HAVE TO REPORT IN TO THE
9 CONTACT PERSON. AND THEY HAVE -- THEY HAD
10 WEEKLY MEETINGS TO TALK ABOUT WHAT WAS GOING ON.

11 MR. ED PENTECOST: IT SOUNDS LIKE GOOD
12 COORDINATION. AND I AM SURE N.R.G. -- I CAN'T
13 SPEAK FOR THEM, BUT I WOULD ASSUME THAT THEY
14 WOULD BE GLAD TO SUPPORT THAT.

15 YES.

16 MR. THOMAS ZALE: MY NAME IS TOM ZALE,
17 I AM WITH B.L.M. HERE IN YUMA.

18 MR. ED PENTECOST: OH, HI, TOM.

19 MR. THOMAS ZALE: HI.

20 I MAY HAVE MISSED THIS IN THE MORNING,
21 AND IF I DID I APOLOGIZE FOR IT.

22 BUT IT STRIKES ME THAT IF YOU WRITE A
23 MITIGATION PLAN FOR THIS PROJECT THAT IDENTIFIES
24 ON A TOWER-BY-TOWER BASIS SPECIFIC MITIGATION
25 MEASURES THAT WOULD DEAL WITH, YOU KNOW,
26 WILDLIFE, CULTURAL RESOURCES, OR WHATEVER, THAT

1 THEN B.L.M. OUGHT TO DESIGNATE SOMEBODY THAT'S
2 RESPONSIBLE FOR CHECKING FOR COMPLIANCE.

3 BUT THAT DOCUMENT WOULD BE, YOU KNOW, A
4 BLACK AND WHITE VERSION OF WHAT NEEDS TO BE DONE
5 TO TELL WHETHER OR NOT IT WAS BEING COMPLIED
6 WITH.

7 MR. ED PENTECOST: I WOULD SEE THAT AS
8 THE NEXT STEP, TOM, AFTER THE E.I.S. WHEN YOU
9 GUYS GRANT YOUR PERMIT.

10 I WAS LOOKING AT THE PERMIT FOR THE
11 S.D.G.& E. LINE, AND IT BASICALLY HAD THE SAME
12 MITIGATION MEASURES, WITH A FEW MORE SPECIFICS
13 IN THERE AS AN ATTACHMENT TO THAT PERMIT AS THE
14 ONES IN THE E.I.S.

15 SO, YOU SEE, YOU WOULDN'T KNOW WHERE
16 THE TOWERS ARE GOING TO BE PLACED AT THE TIME
17 THE E.I.S. WAS WRITTEN. ABOUT THE ONLY THING WE
18 MIGHT KNOW IS THE COLORADO RIVER CROSSING, WE
19 KNOW GENERALLY WHERE THOSE TOWERS WOULD GO. BUT
20 THE OTHERS WE WOULDN'T KNOW AT THIS POINT.

21 MR. THOMAS ZALE: WELL, FORGIVE MY
22 IGNORANCE, BUT WHY NOT?

23 I GUESS WHAT I WAS STRUCK BY IN THE
24 DISCUSSION ABOUT CULTURAL RESOURCES IS IF WE
25 DON'T KNOW WHERE THE TOWERS ARE OR THE ACCESS
26 ROADS TO THEM, HOW ARE WE GOING TO DISCLOSE

1 SPECIFICALLY WHAT'S BEING AFFECTED AND WHAT
2 SPECIFIC MITIGATION MEASURES ARE GOING TO BE
3 ACCOMPLISHED?

4 I GUESS WHY DON'T WE HAVE TOWERS
5 IDENTIFIED AND, YOU KNOW, A CENTERLINE THAT'S
6 PROPOSED BY THE PROPONENT AT THIS TIME?

7 MR. ED PENTECOST: WELL --

8 MR. ROD LEAS: DO YOU WANT ME TO TALK
9 ABOUT THAT?

10 MR. ED PENTECOST: DO YOU WANT TO TALK
11 ABOUT THAT, ROD?

12 MR. ROD LEAS: WE HAVE PRETTY MUCH A
13 CENTERLINE. BUT ALONG THE CENTERLINE --

14 THE CENTERLINE, FOR ALL PRACTICAL
15 PURPOSES, IS 150 FEET AWAY NORTH OF THE
16 CENTERLINE OF THE EXISTING LINES.

17 BUT THAT'S THE PLAN. THIS IS THE PLAN.

18 THE PROFILE IS THE UP AND DOWN OF THE
19 LANDSCAPE. WE CAN ATTEMPT TO PUT OUR TOWERS
20 ROUGHLY BESIDE THE ONES THAT ARE THERE. THAT
21 WORKS REALLY WELL OUT IN THE FLAT DESERT.

22 WE CAN ALMOST DO A PLAN AND PROFILE
23 SITTING AT A DESK WITHOUT EVER GOING OUT AND
24 LOOKING ACROSS THE DESERT, EXCEPT FOR WHERE
25 THERE ARE WASHOUTS AND THINGS LIKE THAT.

26 IT'S IN THE MOUNTAINS AND NEXT TO THE

1 RIVERS AND IN THE LOWLANDS CROSSING THE COLORADO
2 RIVER THAT THINGS CHANGE.

3 AND THERE WHAT WE NEED TO DO IS LOOK IN
4 THE DIGITALIZED AERIAL PHOTOGRAPHY THAT WAS
5 TAKEN IN THE SPRING. BUT WE ACTUALLY HAVE TO GO
6 OUT THERE AND SAY, OKAY, THIS IS WHERE WE THINK
7 IT WILL GO. IS THIS THE RIGHT PLACE FOR IT.

8 THAT'S DONE ONCE WE HIRE A CONTRACTOR.

9 WHAT WE ARE DOING HERE IS IN ORDER TO
10 GET THIS PROJECT IN PLACE WE ARE DOUBLE-TRACKING
11 SOME OF THESE THINGS. AND NOT EVERYTHING CAN BE
12 DONE NICE AND SEQUENTIALLY.

13 SO ED, IN ORDER TO MEET HIS TIME FRAME,
14 HAS TO DO HIS WORK. HE HAS TO DO SOME OF IT
15 GENERICALLY. HE CAN'T DO EVERYTHING
16 SPECIFICALLY.

17 WE, IN ORDER TO BE ABLE TO FIT IN AND
18 GET OUR PROJECT IN PLACE, WE HAVE TO BE ASSURED
19 THAT WE'VE GOT PERMITS AND WE'VE GOT THE RIGHT
20 TO GO INTO MEXICO, THAT WE'VE GOT THE RIGHT
21 PERMITS FROM THE UNITED STATES THAT ARE NEEDED.

22 ALL OF THOSE THINGS DON'T FIT IN A NICE
23 SEQUENTIAL PATTERN TO ALLOW US TO PLAN THE ROUTE
24 AND THEN GO BACK TO HIRE A CONTRACTOR TO EXACTLY
25 PLACE ALL THE STRUCTURES. AND THEN TAKE A FEW
26 MONTHS OFF WHILE ED FINISHES HIS WORK, AND THEN

1 GO BACK AND DESIGN THE LINE TO FIT ON THOSE
2 STRUCTURES.

3 SO ESSENTIALLY WHAT WE ARE TRYING TO DO
4 IS FIT IT ALL INTO THE GIVEN TIME AVAILABLE.
5 BUT WE CAN'T -- IT'S KIND OF WHAT COMES FIRST;
6 THE CHICKEN OR THE EGG.

7 WE'VE GOT TO DO SOMETHING FIRST, BUT WE
8 CAN'T FIGURE OUT WHERE EVERY EXACT TOWER WILL BE
9 SO THAT ED CAN DO HIS JOB ON TIME.

10 MR. ROBERT EVANS: WHAT I THINK ED'S --
11 IF I MAY INTERRUPT JUST FOR A SECOND.

12 I THINK ED'S ANSWER IS ESSENTIALLY
13 CORRECT, AND THAT IS THAT SOME THINGS ARE GOING
14 TO HAVE TO WAIT AND THEN BE PLACED IN PERMANENT.

15 THERE WILL HAVE TO BE SOME ASSURANCES
16 IN A DOCUMENT THAT'S ISSUED TO US THAT SAYS HERE
17 IS HOW YOU WILL UNDERTAKE THIS SITING PROCESS
18 AND CONSTRUCTION PROCESS.

19 AND WHAT CAN'T BE CLEARED UP, I
20 THINK -- AND WHAT ED HAS SAID -- IS THAT WHAT
21 CAN'T BE CLEARED UP IN THE E.I.S. WILL HAVE TO
22 BE CLEARED UP AT A LATER DATE.

23 AND I THINK THAT THAT GIVES PEOPLE
24 ADEQUATE ASSURANCES THAT THINGS CAN BE DONE
25 PROPERLY.

26 MR. MICKEY SIEGEL: TOM, AREN'T YOU

1 GOING TO REQUIRE A PLAN?

2 MR. THOMAS ZALE: NO.

3 MS. DEBBIE DEBOCK: YES, WE ARE.

4 MR. THOMAS ZALE: WELL, APPARENTLY YOU
5 ARE.

6 MR. MICKEY SIEGEL: ISN'T THAT THE
7 PLACE FOR THAT?

8 MS. DEBBIE DEBOCK: YES. IT CAN BE,
9 YES. THAT'S WHERE WE HAVE TALKED ABOUT IT IN
10 THE PAST.

11 MR. MICKEY SIEGEL: THAT WOULD TAKE
12 CARE OF THE SITE SPECIFIC MITIGATION AND THEN
13 CULTURAL RESOURCES SURVEY BEING DONE.

14 AS LONG AS YOU HAVE GOT THAT INSTRUMENT
15 AVAILABLE BEFORE THE CONSTRUCTION BEGINS, THEN
16 YOU CAN TAKE CARE OF ALL THE SPECIFICS.

17 MR. THOMAS ZALE: WELL, I GUESS A
18 RHETORICAL QUESTION, BUT AT WHAT POINT IS THE
19 GENERIC -- YOU KNOW, IS YOUR GENERIC DOCUMENT SO
20 GENERIC IT DOESN'T SATISFY THE DISCLOSURE
21 REQUIREMENTS OF N.E.P.A.?

22 BUT, MORE IMPORTANTLY, I GUESS, THE
23 QUESTION I WOULD LIKE TO ASK, IS AT WHAT POINT
24 CAN YOU, YOU KNOW, GET THAT ON-SITE WORK
25 STARTED?

26 MR. DIRK ANDREAS: I THINK THE ISSUE

1 HERE IS THAT -- I UNDERSTAND YOUR CONCERN IS YOU
2 ARE BEING TOO GENERAL HERE. I WANT TO KNOW
3 EXACTLY WHERE THESE THINGS ARE GOING TO GO.

4 AND THE WAY -- YOU LOOK AT THE WAY LIKE
5 THE SAN DIEGO LINE WAS DONE. THEY MAY HAVE GONE
6 OUT AND EXACTLY SITED EVERYTHING. BUT MY GUT
7 FEELING IS THEY DIDN'T DO IT, EITHER.

8 YOU ARE GOING TO IDENTIFY A CORRIDOR
9 AND THEN HIRE SOMEBODY TO LOOK AT THE CORRIDOR
10 AND SAY ARE THERE ANY PROBLEMS IN THE CORRIDOR
11 THAT WE HAVE IDENTIFIED.

12 AND THEN AS LONG AS YOU STAY IN THE
13 CORRIDOR YOU SHOULD BE ABLE TO PUT THE TOWERS
14 AND SAY, YEAH, WE ARE GOING TO PUT THEM CLOSE TO
15 THE EXISTING TOWERS THAT ARE THERE AND PUT
16 EVERYTHING AS CLOSE AS POSSIBLE.

17 AND WE WILL HIRE AN A.B.C. CONTRACTOR
18 PROBABLY AROUND THIS FALL. BUT TO HIRE SOMEBODY
19 TO GO OUT TODAY TO SITE EVERY TOWER, THE AMOUNT
20 OF MONEY YOU WOULD START SPENDING, NOT KNOWING
21 IF THERE IS SOME CRITICAL FLAW DOWN THE PATH
22 THAT YOU ULTIMATELY DON'T GET YOUR DEAL, YOU ARE
23 JUST NOT GOING TO DO THINGS THAT WAY.

24 THE UTILITIES IN THE PAST DID IT THAT
25 WAY. BUT THE THING YOU HAVE TO REMEMBER IN THAT
26 CASE IS THAT IF THEY SCREWED UP THEY WENT BACK

1 TO THE RATE PAYERS TO GET THE MONEY.

2 THEY HAD A COMPLETE INSURANCE POLICY
3 BEHIND THEM IN THE P.E.C. THEY WOULD GO TO THE
4 P.E.C. OR WHOEVER REGULATED THEM AND THEY WOULD
5 SAY, YEAH, GO AHEAD AND STUDY THE LINE, AND IF
6 YOU SCREW UP WE WILL PAY YOU FOR IT.

7 IN THIS CASE IF WE SCREW UP IT COMES
8 OUT OF ARGONNE'S POCKETS. IN OTHER WORDS, OUR
9 COMPANY IS TAKING THAT RISK, NOT THE RATE PAYERS
10 AND NOT THE INSURANCE. REALLY IT'S JUST OUR
11 SHAREHOLDERS TAKING THE RISK.

12 SO WHAT WE ARE TRYING TO DO IS BALANCE
13 HOW MUCH INFORMATION IS NEEDED, WHAT DO WE NEED
14 TO DO TO GET THE INFORMATION WHERE PEOPLE ARE
15 COMFORTABLE WITH THE CORRIDOR WHERE WE ARE GOING
16 TO PUT THIS THING. WE HAVE TO LOOK AT THESE
17 ISSUES.

18 AND THEN WHEN THE CONTRACTOR COMES IN,
19 THEY ARE GOING TO COME IN AND COME WITH ALL THE
20 POWER PLACES.

21 AND WE ARE EXPECTED TO GET FEEDBACK TO
22 SAY ON ALL THE ONES IN THE DESERT YOU NEED TO
23 LOOK AT X.Y.Z.

24 AND, OH, BY THE WAY, THE ONES IN THE
25 MOUNTAINS, YOU HAVE TO LOOK AT THESE THINGS --
26 THESE SPECIFIC ONES AND NEED TO DO THESE

1 ADDITIONAL MEASURES, SUCH AS EROSION CONTROL,
2 AND THINGS LIKE THAT.

3 MR. JOHN REID: YEAH, JOHN REID WITH
4 THE B.L.M.

5 MAYBE LET ME ASK THAT QUESTION A
6 DIFFERENT WAY, AND IT'S PROBABLY ON THIS BACK
7 PAGE.

8 BUT I UNDERSTAND YOU HAVE TO HAVE A
9 PRETTY GOOD IDEA WHERE THE STRUCTURES ARE GOING
10 TO GO BEFORE YOU CAN DESIGN THOSE STRUCTURES.

11 WE NEED TO HAVE A CERTAIN AMOUNT OF
12 LEAD TIME AFTER WE FIND OUT THE LOCATION TO
13 DETERMINE MITIGATION OR IF -- POSSIBLY IF
14 MOVEMENT IS NECESSARY. AND IF WE WANT TO MOVE
15 IT THEN, YOU KNOW, THERE IS ANOTHER DESIGN
16 CONSIDERATION.

17 WHAT DO YOU THINK THAT TIME FRAME WOULD
18 BE BETWEEN YOUR INITIAL IDENTIFICATION OF TOWER
19 LOCATIONS AND LIKE THE TERMINUS FOR BEING ABLE
20 TO MODIFY THAT?

21 I MEAN, IS THERE A 30-DAY WINDOW, IS
22 THERE A 90-DAY WINDOW?

23 MR. ROD LEAS: THERE'S PROBABLY A
24 COUPLE OF MONTHS. THERE'S PROBABLY A COUPLE OF
25 MONTHS PERIOD OF TIME.

26 MR. DIRK ANDREAS: WHY DON'T YOU COME

1 BACK AND TELL US?

2 MR. JOHN REID: WELL, I THINK IT'S
3 WITHIN REASON THE ARCHOLOGISTS --

4 MR. DIRK ANDREAS: BUT, I MEAN, TO
5 US -- BUT WHAT I AM SAYING IS, THAT CAN BE A
6 CONDITION OF THE PERMIT, WHAT'S AGREEABLE.
7 LET'S NOT JUST SAY A YEAR --

8 MR. JOHN REID: NO.

9 MR. DIRK ANDREAS: -- BUT IF WHAT THIS
10 GROUP FEELS IS WE NEED 60 DAYS TO RESPOND, LET
11 US KNOW. BUT I WOULD RATHER KNOW THAT TODAY
12 EXACTLY WHAT TO DO VERSUS HAVE IT TOTALLY
13 OPEN-ENDED AND SOMEBODY COMING IN ON THE 59TH
14 DAY AND SAY, OH, BY THE WAY, WE WANT YOU TO MOVE
15 20 TOWERS.

16 MR. JOHN REID: RIGHT.

17 MR. THOMAS ZALE: DID I HEAR YOU SAY
18 THAT SOME TOWERS CAN'T BE MOVED AS WELL?
19 PROBABLY THOSE THAT ARE IN THE MOUNTAINOUS
20 REGIONS?

21 MR. ROD LEAS: WHEN YOU GO THROUGH
22 ROUGH GROUND WHAT YOU TRY TO DO IS FIND
23 LOCATIONS FOR TOWERS WHERE YOU CAN TAKE THE
24 LONGEST LEAP POSSIBLE, SO TO SPEAK.

25 SOMETIMES THEY ARE REALLY CLOSE
26 TOGETHER AND SOMETIMES THEY ARE REALLY FAR

1 APART.

2 IF YOU GO OUT AND LOOK AT THE EXISTING
3 LINE YOU WILL SEE WHERE THEY COME TO A CREST.
4 FREQUENTLY THEY ARE EITHER ON THE CREST OR THEY
5 ARE ON BOTH SIDES OF THE CREST AND THEY ARE
6 FAIRLY CLOSE TOGETHER.

7 WHERE THEY GO ACROSS LIKE A LITTLE
8 VALLEY, THEY CAN BE QUITE FAR APART.

9 WHAT YOU HAVE TO BE ABLE TO DO, THOUGH,
10 IS PUT THEM IN A PLACE THAT'S ACCESSIBLE, EITHER
11 FROM THE AIR OR FROM THE LAND, PROVIDING FOR IT.

12 YOU HAVE TO BE ABLE TO PUT IT IN A
13 PLACE WHERE YOU HAVE GOT GOOD FOUNDATION. YOU
14 HAVE TO PUT IT IN A PLACE WHERE IT'S NOT SO
15 PROMINENT THAT IT DOMINATES THE LANDSCAPE.
16 PEOPLE DON'T LIKE THAT, EITHER.

17 SO THERE ARE ALL OF THESE BALANCING
18 FACTORS THAT WE ARE TRYING TO ALWAYS DO ON THE
19 PLACEMENT OF FACILITIES.

20 MR. ED PENTECOST: TOM, ONE THING YOU
21 MISSED THIS MORNING THAT I THINK WILL HELP WHEN
22 YOU SEE THE E.I.S. IS WE TOOK THE FIRST 112
23 MILES DOWN TO THE TURNOFF -- ROUGHLY 112, 109,
24 DOWN TO THE NORTH GILA SUBSTATION AND BROKE THAT
25 INTO FOUR SUBLINKS.

26 I AM GOING TO BE TRYING TO FORCE THE

1 STAFF -- TO SOME OF THIS IT WILL WORK, SOME IT
2 WON'T.

3 ECOLOGICALLY WE THINK WE CAN SAY SOME
4 LINK -- ABOUT ONE LINK 20 TO 30 MILES HERE IS
5 WHAT WE SAW THERE. HERE IS THE TYPES OF
6 PROBLEMS WE WOULD HAVE WITH WIND EROSION OF
7 SOILS IN THIS AREA. AND WE CAN BE THAT
8 SPECIFIC. AND I THINK THAT WILL HELP. AND WE
9 ARE GOING TO DO THAT FOR EACH LINK.

10 BUT WE WON'T -- ASIDE FROM MAYBE THE
11 COLORADO RIVER CROSSING AND A COUPLE OTHERS
12 HERE, IT'S ALMOST -- THERE'S ONLY ONE PLACE YOU
13 CAN GO. WE CAN'T BE THAT SPECIFIC.

14 MR. THOMAS ZALE: I JUST THOUGHT THAT
15 IF THERE ARE STRETCHES ALONG WHERE YOU ARE GOING
16 TO HAVE VERY LITTLE FLEXIBILITY OR LATITUDE IN
17 MOVING TOWERS THAT -- AND YOU ARE PROBABLY DOING
18 THIS, ANYWAY -- BUT THAT THOSE SPECIFIC SITES
19 OUGHT TO BE IDENTIFIED FIRST IN YOUR PROCESS OF
20 LOCATING TOWERS. AND IDEALLY THAT WE DO THAT AS
21 PART OF THE E.I.S. IF NOT IN THE DRAFT STAGE,
22 HOPEFULLY IN THE FINAL. SO THAT WE CAN
23 ACTUALLY DISCLOSE WHAT THE EFFECTS ARE THERE.

24 BECAUSE THEN -- WE CAN TAKE CULTURAL
25 RESOURCES AS AN EXAMPLE.

26 BUT IF YOU CAN'T MOVE THE TOWER, THEN

1 OBVIOUSLY YOU ARE GOING TO DO SOME SORT OF
2 DAMAGE --

3 MR. DIRK ANDREAS: WHAT IN YOUR MIND --
4 LET'S STEP BACK.

5 WHAT DO YOU CONSIDER MOVING THE TOWER?
6 ARE YOU TALKING 50 FEET, 100 FEET FROM WHERE THE
7 TOWER LOCATION IS OR DO YOU WANT TO KNOW EXACTLY
8 WHERE SOMEBODY IS GOING TO PUT A STAKE IN THE
9 GROUND?

10 FOR INSTANCE, WHEN -- AT LEAST IN MY
11 EXPERIENCE WITH PERMANENT POWER PLANTS --
12 CANADA, THE U.S. AND ONE DOWN IN CENTRAL
13 AMERICA -- YOU PERMIT TO A SITE AND THEY ALLOW
14 YOU TO MOVE THE STACK 50 TO 100 FEET OF WHERE
15 THE EXISTING CULTURAL RESOURCES ARE.

16 THERE IS REALLY NO PROBLEM WITH THAT.
17 THEY KNOW WHERE IT'S COMING FROM.

18 BUT IF YOU THINK ABOUT CONCEPTS, WHAT
19 WE ARE SAYING HERE IS IN ONE DIRECTION WE'VE
20 ALREADY NAILED IT DOWN TO BASICALLY A 150-FEET
21 CORRIDOR IN THIS DIRECTION. WE KNOW IT'S GOING
22 TO BE ON THE OUTSIDE OF THAT CORRIDOR.

23 REALLY WHAT YOU ARE TALKING ABOUT IS
24 HOW MUCH DO YOU MOVE BETWEEN EACH OTHER THIS WAY
25 AND THAT WAY.

26 MR. THOMAS ZALE: I THINK ULTIMATELY

1 WHAT I AM TRYING TO GET AT IS WHAT CULTURAL
2 RESOURCES WOULD BE AFFECTED BY PLACEMENT OF
3 TOWERS. AND OF THOSE WHICH COULD BE AVOIDED BY
4 MOVING THE TOWERS. AND WHICH CAN'T AND WILL
5 REQUIRE SOME OTHER KIND OF MITIGATION THAT
6 ULTIMATELY WILL, YOU KNOW, INCLUDE CONSTRUCTION
7 OF THE SITE.

8 MR. ED PENTECOST: WHAT ABOUT THIS
9 APPROACH: LET'S SAY THEY'VE HIRED A CONTRACTOR
10 NOW TO DESIGN -- I AM JUST THINKING OFF THE TOP
11 OF MY HEAD.

12 WHAT IF THEY SAT DOWN WITH THE B.L.M.
13 ARCHEOLOGIST AND MAYBE WITH OUR ANALYST AND SAY,
14 OKAY, HERE IS WHERE SOME REAL SIGNIFICANT SITES
15 ARE LOCATED.

16 CAN YOU USE THAT AS A FIRST CUT -- USE
17 THAT AS A FIRST CUT IN YOUR SCREENING -- IF THAT
18 IS THE WORD -- TO TRY TO PUT DOWN --

19 MR. DIRK ANDREAS: THAT'S WHAT I
20 ANTICIPATED GETTING BACK OUT OF THIS, HONESTLY.

21 I ANTICIPATED COMING OUT OF THIS THAT
22 THERE IS AN AREA HERE THAT YOU JUST -- YOU'VE
23 GOT TO STAY AS FAR AWAY FROM AS POSSIBLE.

24 THAT'S EXACTLY WHAT WE EXPECTED TO SEE.

25 MR. BOMA JOHNSON: BOMA JOHNSON.

26 WE ARE ALREADY DOING THAT TO SOME

1 DEGREE. OBVIOUSLY WE DON'T KNOW ALL OF THE
2 SENSITIVE AREAS.

3 BUT MOST OF THE LINE, WITH THE
4 EXCEPTION OF THIS NORTH-SOUTH ONE COMING DOWN
5 INTO MEXICO, HAVE ALREADY HAD A CLASS 3
6 INVENTORY, AT LEAST ON THE SOUTHERN EDGE.

7 AND THERE MAY BE AREAS ON THE NORTHERN
8 PART OF THE CORRIDOR WHICH HAVE NOT HAD AN
9 INVENTORY. BUT WE HAVE A FAIR IDEA WHAT'S OUT
10 THERE.

11 AND, FOR EXAMPLE, WHEN WE WERE OUT THAT
12 DAY AT THE CROSSING AND LOOKING AT POTENTIAL
13 POWER PADS -- TOWER PADS, THERE WAS ONE AREA
14 THERE THAT IS HIGHLY SPECIFIC. THERE ISN'T
15 ANYWHERE BUT ONE PLACE.

16 WE ALSO -- WE DO KNOW THERE IS A SITE
17 THERE. HISTORIC SITE. AND WE WOULD HAVE TO
18 STRUCTURE INTO IT THE FACT THAT THAT SITE WILL
19 BE IMPACTED AND WILL RECEIVE A MITIGATION.

20 AND WE WILL HAVE TO DO SOME KIND OF A
21 REVIEW AT THAT TIME, AHEAD OF THE BALLGAME,
22 IN ORDER TO PLACE THAT TOWER IN THAT SPOT.

23 MR. ROD LEAS: IF I COULD THROW OUT
24 ANOTHER SILLY SKETCH HERE.

25 THE MIDDLE LINE IS THE EXISTING LINE.
26 BOTH SIDES OF THAT LINE IS A CORRIDOR.

1 OUR LINE ALSO HAS A CENTERLINE AND A
2 CORRIDOR.

3 THE CENTERLINE IN THE CASE OF OURS WILL
4 BE SOMETHING LIKE THIS. IT FALLS WITHIN THE
5 CORRIDOR THAT'S ALREADY BEEN EVALUATED. AND
6 THEN OUR CORRIDOR WILL GO OUT HERE SOMEWHERE. A
7 LOT OF LINES. NOT DIFFERENT COLORS. SO IT
8 COULD BE CONFUSING.

9 MR. ED PENTECOST: OVERLAPPING RIGHTS.

10 MR. ROD LEAS: OVERLAPPING. SO IT'S
11 NOT AS THOUGH WE ARE GOING THROUGH AREAS THAT
12 HAVE NEVER BEEN EVALUATED.

13 THE OTHER THING ON A TRANSMISSION LINE,
14 IT'S RELATIVELY EASY TO MOVE OURS THIS WAY OR
15 THIS WAY. IN OTHER WORDS, THIS WAY OR THIS WAY
16 IN A STRAIGHT LINE.

17 IT BECOMES VERY DIFFICULT IF YOU ARE
18 ASKED AT THE LAST MINUTE TO MOVE THE TOWER
19 SIDEWAYS, BECAUSE OF THE ANGLES IMPOSED ON THE
20 TOWER BY THE CONDUCTORS.

21 I ALWAYS USE THREE DEGREES AS THE
22 MAXIMUM. PROBABLY MAYBE FIVE DEGREES. BUT IT
23 DEPENDS ON WHAT'S HANGING ON THAT TOWER. IT
24 DEPENDS ON WHAT KIND OF TOWER IT IS, WHETHER
25 IT'S A DEAD-END STRUCTURE OR A TANGENT TOWER OR
26 JUST A SOLDIER TOWER, ONE OF A BUNCH OF THEM IN

1 LINE.

2 WHEN YOU START IMPOSING SIDEWAY
3 STRESSES ON TOWERS, IF THEY ARE NOT DESIGNED TO
4 TAKE IT THEY DON'T LIKE IT AND THEY LIKE TO FALL
5 OVER. IT'S NOT A GOOD SITUATION.

6 SO ALTHOUGH WE CAN MOVE FORWARD AND
7 BACKWARD IN A STRAIGHT LINE FAIRLY EASY -- AND
8 WHEN I SAY "MOVE FORWARD OR BACKWARD," I AM NOT
9 TALKING MOVING A QUARTER OF A MILE FORWARD OR
10 BACKWARD, I AM TALKING MOVING TENS OF FEET MAYBE
11 IF ABSOLUTELY NECESSARY, IF THERE IS SOMETHING
12 WE HAVE JUST TOTALLY OVERLOOKED.

13 BUT IF WE ARE SUDDENLY ASKED AT THE
14 VERY LAST MINUTE TO MOVE SOMETHING SIDEWAYS,
15 THAT COULD BE A REAL PROBLEM. IT'S NOT THAT WE
16 CAN'T DO IT. IT'S PROBABLY THAT WE'VE GOT TO GO
17 BACK AND REDESIGN A BRAND NEW TOWER.

18 MR. ROBERT EVANS: WE WOULD NEVER -- WE
19 WOULD NEVER GET THIS PROJECT TO THE POINT OF
20 GETTING STARTED IF WE HAD TO REQUIRE THAT THE
21 EXACT PLACEMENT OF THE TOWERS BE KNOWN.

22 BECAUSE WE HAVE TO GET BIDS FOR PEOPLE
23 TO CONSTRUCT THIS. THEY CAN LOOK AT THOSE
24 LOCATIONS, BUT AT SOME POINT IN TIME THE E.I.S.
25 I DON'T THINK CAN BE SO SPECIFIC AS TO SAY HERE
26 IS WHERE EACH TOWER IS GOING TO BE PLACED.

1 I THINK WE ARE DOING THE BEST THAT WE
2 CAN SAYING WHAT WE KNOW WHERE TOWERS WILL BE
3 PLACED. WE WILL LOOK AND WE WILL GET AS MUCH
4 DONE AS WE CAN.

5 THAT'S RELATIVELY -- THERE'S RELATIVELY
6 FEW PLACES THAT THAT'S GOING TO OCCUR. BUT I
7 THINK THAT'S THE WHOLE PROCESS MICKEY HAS TALKED
8 ABOUT; A PLAN AND DEVELOPMENT. THAT'S WHAT IT'S
9 THERE FOR.

10 AND I THINK WE CAN BE SAY AS HONEST AS
11 WE CAN. WE WILL WORK WITH EVERYONE THAT WE NEED
12 TO WORK WITH TO MAKE SURE THAT THESE ISSUES ARE
13 ADDRESSED AND ADDRESSED PROPERLY.

14 BUT AS FAR AS -- WE CAN'T PROMISE THAT
15 WE ARE GOING TO SAY EXACTLY FOR THE E.I.S. WHERE
16 EACH TOWER IS GOING TO BE PLACED. THAT'S
17 UNREALISTIC.

18 MR. ED PENTECOST: YOU HAD A QUESTION?

19 MS. DEBBIE DEBOCK: DEBBIE DEBOCK.

20 MICKEY, YOU HAVE WORKED ON LOTS OF
21 E.I.S.'S. HAVE YOU EVER DONE ONE THAT WAS
22 SPECIFIC FOR EACH OR ARE THEY -- I AM USED TO
23 THEM BEING VERY GENERAL.

24 MR. MICKEY SIEGEL: YEAH, ON THESE LONG
25 TRANSMISSION LINES E.I.S.'S -- PARTICULARLY
26 WHERE YOU HAVE SEVERAL LONG DISTANCES AND

1 SEVERAL APPROVALS -- AND MAYBE I NEEDED TO USE
2 ROD'S DRAWING, TOO.

3 BUT ON THESE LONG DISTANCE TRANSMISSION
4 LINE PROJECTS, THE PRACTICAL WAY TO DO IT IS, AS
5 ROD AND DEBBIE WERE SAYING, USING THIS NON --
6 IT'S SITE SPECIFIC TO THE EXTENT THAT THE
7 CORRIDOR IS DEFINED.

8 BUT THEN HAVING THE PLAN OF DEVELOPMENT
9 DONE. IT USED TO BE CALLED THE C.O.M.P. PLAN;
10 CONSTRUCTION, OPERATION AND MAINTENANCE PLAN.
11 WHAT B.L.M. IS REFERRING TO IS A PLAN OF
12 DEVELOPMENT.

13 THAT IS IN PLACE AND APPROVED BY B.L.M.
14 AND OTHER AGENCIES THAT RENT RIGHT-OF-WAY IN
15 ORDER TO ALLOW THE SITE-SPECIFIC LOCATION OF NOT
16 ONLY TOWERS, BUT ROADS.

17 SO I WILL -- JUST TO CLARIFY -- LET'S
18 SEE.

19 THIS IS THE EXISTING LINE. SO THERE IS
20 EXISTING TOWERS ALONG EXISTING TRANSMISSION
21 LINES.

22 AND USUALLY WE START TALKING ABOUT
23 CULTURAL RESOURCES AS AN EXAMPLE. BUT IT DOES
24 APPLY TO VIRTUALLY ALL THE RESOURCES THAT HAVE
25 SITE-SPECIFIC IMPACT.

26 THERE WAS A COMPLETE --

1 MR. JAMES LEVENSON: THAT'S THE NEW
2 LINE. THAT WOULD BE THE NEW LINE.

3 MR. MICKEY SIEGEL: THIS WOULD BE THE
4 NEW LINE.

5 MR. JAMES LEVENSON: NO, NO, NO, NO;
6 THAT'S THE RIGHT-OF-WAY. THAT'S THE CENTERLINE.
7 THE NEW CENTERLINE.

8 MR. ED PENTECOST: LET'S START WITH A
9 NEW PIECE OF PAPER.

10 MR. MICKEY SIEGEL: SO THERE IS AN
11 EXISTING CENTERLINE. AND ALONG IT ARE
12 TRANSMISSION TOWERS.

13 AND THERE WAS A RIGHT-OF-WAY THAT WAS
14 SURVEYED IN ITS ENTIRETY FOR CULTURAL RESOURCES.
15 ACTUALLY SURVEYED.

16 IN THAT RIGHT-OF-WAY THERE WERE SITES
17 FOUND IN CERTAIN LOCATIONS. AND, OF COURSE,
18 THERE'S ROADS, TOO, COMING IN AND OUT OF THE
19 CORRIDOR TO SPURS TO BUILD EACH TOWER. FOR
20 EXAMPLE, IN THE TOWER SITE.

21 SO THIS SURVEY WAS DONE AFTER THE
22 E.I.S. AND IT WAS DONE -- AND BOMA PROBABLY
23 REMEMBERS CHASING THE BULLDOZERS, SO TO SPEAK.

24 BUT EVERY EFFORT WAS MADE THAT WHEN
25 THESE TOWERS AND ROADS WERE BUILT THEY AVOIDED
26 THE SITES. AND THERE WERE PROBABLY A HANDFUL OF

1 SITES THAT COULD NOT BE AVOIDED COMPLETELY THAT
2 WERE MITIGATED THROUGH DATA RECOVERY.

3 SO THERE MIGHT HAVE BEEN A SITE
4 ACTUALLY RIGHT HERE THAT COULDN'T BE AVOIDED
5 BECAUSE THE STAND WAS SUCH OR THE TERRAIN WAS IN
6 SUCH A CONDITION THAT THAT WAS THE ONLY SITE
7 THAT TOWER COULD BE BUILT.

8 SO THAT SITE WAS MITIGATED BY DATA
9 RECOVERY. BUT FOR THE MOST PART THEY WERE
10 AVOIDED.

11 SO NOW A NEW LINE WILL BE BUILT
12 PARALLEL ALONG THE CENTERLINE. AND IN MOST
13 CASES THE DESIRABLE SITING WOULD BE TO BUILD THE
14 SHORTEST ROAD AND/OR USE THE EXISTING ROAD FOR
15 ACCESS TO THE NEW TOWERS. PLACE TOWERS ALONG
16 THE LINE LIKE THAT.

17 BEFORE THAT'S DONE, HOWEVER, WITHIN THE
18 NEW RIGHT-OF-WAY, THE UNSURVEYED AREA WOULD BE
19 SURVEYED. AND WHERE SITES ARE FOUND I
20 GUESS WHAT -- MAYBE WHAT YOU WERE SAYING WAS
21 KNOWING THAT THESE SITE WERE THERE TELLS YOU
22 THERE IS -- MAYBE THE SITE ACTUALLY LOOKS LIKE
23 THIS.

24 IT'S A GOOD POSSIBILITY THAT WHEN YOU
25 GO INTO THE NEW CORRIDOR YOU ARE GOING TO FIND A
26 SITE HERE AND YOU ARE GOING TO FIND A SITE HERE.

1 SO UNTIL YOU DO THAT YOU DON'T KNOW.

2 NOW, ONCE THAT SURVEY IS DONE, THEN
3 THESE TOWERS CAN BE PLACED TO AVOID THESE SITES
4 SO THAT -- AND ROADS, IF NEEDED -- AND CAN AVOID
5 THESE SITES TO BE BUILT.

6 IF THERE HAPPENS TO BE NOW A MASSIVE
7 SITE IN THIS AREA, THERE IS EVEN THE POSSIBILITY
8 OF WHAT ROD WOULD RATHER NOT DO IS -- IS PUT THE
9 TOWER OVER HERE AND USE ANGLES TO AVOID THE
10 SITE.

11 AND A DECISION WOULD BE MADE AT THAT
12 TIME, BASED ON THE COST OF MITIGATING THIS SITE,
13 VERSUS THE COST OF INSTALLING ANGLE TOWERS,
14 VERSUS OTHER MITIGATION POSSIBILITIES.

15 MR. ED PENTECOST: IT COULD EVEN BE
16 SPANNED, TOO.

17 MR. MICKEY SIEGEL: SURE. WELL, YOU
18 KNOW WHAT I AM SAYING. IF IT'S REALLY THAT BIG
19 THAT IT COULD BE SPANNED IN THAT PARTICULAR
20 SITE -- MAYBE IT WAS ON THE TOP OF A RIDGE --
21 WHICH SEEMS TO HAPPEN -- THERE WOULD BE A NEED
22 FOR MITIGATING THAT SITE BY AVOIDING IT IN SOME
23 OTHER MANNER OR DOING DATA RECOVERY ON THE SITE.

24 BUT THIS LEVEL OF DETAIL CAN ONLY BE
25 APPLIED AFTER THE CORRIDOR IS DEFINED.

26 AND WHAT THE E.I.S. WILL SPECIFY IS THE

1 POTENTIAL FOR MITIGATION ALONG THAT ROUTE AND
2 THE PLAN FOR DOING -- THE PLAN OF DEVELOPMENT
3 AND THE DETAILED SURVEYS ALONG THE NEW
4 CENTERLINE.

5 MR. ED PENTECOST: AND BY COMMENTING ON
6 THE NUMBER OF SITES AND THE TYPES OF SITES IN A
7 GIVEN LINK, WE ARE ABLE TO GET SOME IDEA AS TO
8 HOW MANY THERE ARE. ARE THEY RARE, YOU KNOW.

9 MR. BOMA JOHNSON: TYPICALLY AN E.I.S.
10 WHICH IDENTIFIES A PROCESS AND NOT SO MUCH THE
11 MITIGATION EFFORT -- ALTHOUGH IT SPELLS OUT THE
12 KINDS OF THINGS THAT WILL HAPPEN -- WILL
13 IDENTIFY CULTURAL POTENTIAL IN TERMS OF LEVELS
14 OF SIGNIFICANCE AND/OR SENSITIVITY.

15 AND THEREFORE A TYPICAL E.I.S. WILL
16 SHOW LOW-SENSITIVE AREAS, MODERATE-SENSITIVITY
17 AND HIGH-SENSITIVITY AREAS.

18 AND TYPICALLY IN ADVANCE OF EVEN ANYONE
19 DOING ANY FINAL TOWER LOCATION, WHEN WE FIND A
20 SENSITIVE AREA WE ARE TO GET OUT THERE AS QUICK
21 AS WE CAN AND ARE WORKING IN ADVANCE OF THE
22 FINAL SURVEY.

23 AND THIS IS WHERE WE IN THE B.L.M. COME
24 IN. WE ARE OUT THERE AND WE WORK WITH CONNIE,
25 FOR EXAMPLE, AND SAY, WELL, WE HAVE GOT A
26 HIGH-SENSITIVE AREA HERE.

1 YOU KNOW, WE WILL BE UP FRONT IN
2 DETERMINING THE KIND OF PROBLEM THAT MIGHT COME
3 UP BEFORE THE FINAL TOWER POSITIONS ARE PICKED.

4 SO IT'S NOT LIKE WE ARE TOTALLY AT THE
5 MERCY OF LAST MINUTE TOWER POSITIONING.

6 MR. ED PENTECOST: AND IF THEY KNEW
7 THAT IN ADVANCE ABOUT THE TIME THE CONTRACTOR
8 STARTED THE TOWERS, I THINK YOU COULD AVOID --

9 MR. BOMA JOHNSON: WE HAVE BEEN
10 SUCCESSFUL IN ALL OF OUR PREVIOUS EFFORTS AT NOT
11 GETTING INTO HOT WATER OVER SITES. SO I HOPE WE
12 CAN DO THE SAME AGAIN.

13 MR. ROD LEAS: AS LONG AS THE
14 CONTRACTOR KNOWS IN ADVANCE, THEY CAN REDESIGN.
15 WE CAN EVEN REDESIGN TO THE SITE.

16 BUT IT'S WHEN EVERYTHING -- WHEN ALL
17 THE STEEL HAS BEEN BOUGHT, THE TOWER HAS BEEN
18 DESIGNED, IT'S LAYING THERE IN BITS AND PIECES
19 ON THE GROUND, AND SOMEBODY COMES ALONG AND SAYS
20 WE HAVE GOT TO MOVE THIS TOWER, THAT'S WHEN IT
21 GETS TO BE REALLY DIFFICULT.

22 SO YOU MIGHT BE ABLE TO USE THAT TOWER
23 SOMEWHERE ELSE, BUT YOU MIGHT NOT NEED IT
24 SOMEWHERE ELSE. I MEAN, YOU ORDER THE STEEL FOR
25 SO MANY TOWERS.

26 WHERE YOU CAN SORT OF INTERCHANGE

1 TOWERS IS OUT ON THE FLAT LAND ONE RIGHT AFTER
2 THE OTHER. IT DOESN'T MATTER IF YOU SWAP THEM
3 AROUND A LITTLE BIT.

4 BUT WHEN YOU ARE IN ROUGH GROUND,
5 THAT'S WHEN VIRTUALLY EVERY TOWER IS GOING TO BE
6 DESIGNED FOR WHERE IT'S GOING TO SIT.

7 SO IN ADVANCE IT'S OKAY. BUT AFTER
8 THE FACT WHEN YOU ARE OUT THERE PUTTING THIS
9 WHOLE TINKER TOY THING TOGETHER, THAT'S WHEN IT
10 GETS REALLY TOUGH.

11 MR. JOHN REID: JOHN REID FROM B.L.M.

12 JUST TO CLARIFY, YOU FEEL LIKE -- IN A
13 GENERAL FASHION I HEARD 30 AND 60 AND 90. BUT
14 WE WILL JUST PICK 60 FOR THE SAKE OF ARGUMENT.

15 YOU THINK THERE MIGHT BE 60 DAYS
16 BETWEEN WHEN THE SITES ARE IDENTIFIED AND THE
17 STEEL IS PURCHASED? MAYBE. THAT'S NOT AN
18 UNREASONABLE THING TO SUGGEST.

19 MR. ROD LEAS: I AM GOING TO SUGGEST
20 THAT WHEN WE KNOW WHERE -- ONCE WE GET FROM ED
21 HIS VIEW OF WHAT WE SHOULD BE DOING, THEN WE
22 WILL BE ABLE TO IDENTIFY FOR SURE A CENTERLINE.

23 NOW, MAYBE THE CENTERLINE IN ROUGH
24 GROUND WILL BE THE 8. IT WILL GO BEYOND THE
25 150 FEET. IT'S VERY PROBABLE IT WILL. AND
26 THE TOWER PLACEMENT WILL BE WHEREVER IS THE

1 RIGHT PLACE TO PUT IT.

2 SO ONCE WE HAVE A PRETTY GOOD IDEA OF
3 WHERE THINGS WILL BE, THAT'S WHEN WE CAN COME TO
4 YOU FOLKS AND SAY IS THIS A GOOD PLACE FOR THIS
5 THING.

6 MR. ED PENTECOST: RON YUEN, MY
7 COLLEAGUE WHO'S BUILT A LOT OF THESE THINGS --
8 WHILE RON IS COMING UP I WILL SAY WE DID THE
9 BANGOR HYDROELECTRIC E.I.S., A 188-MILE LINE I
10 THINK BETWEEN BANGOR, MAINE AND NEW BRUNSWICK,
11 CANADA.

12 THAT AREA HAD A TON OF WETLANDS. AND
13 AN INTERNATIONAL PAPER COMPANY OWNED MOST OF THE
14 LAND. A LOT OF TIMBER IN THE AREA.

15 BUT THERE WAS NO ENVIRONMENTAL REPORT.
16 THERE WAS NO IDENTIFICATION OF THE CENTERLINE.
17 THEY WORKED WITHIN A ONE-MILE-WIDE PLANNING
18 CORRIDOR. THERE WAS NO EXISTING LINE TO
19 PARALLEL, SO IT WAS THE ONE-MILE-WIDE CORRIDOR.

20 AND WE HAD TO TRY TO BREAK IT DOWN INTO
21 LINKS AND THINK OF WHERE POTENTIAL PROBLEMS
22 COULD OCCUR AND WHAT KINDS OF HABITATS TO AVOID.

23 AND I'VE WORKED ON A COUPLE OTHERS,
24 AND I DON'T RECALL. IT'S A HARD-TO-CALL KIND OF
25 THING THAT YOU KNOW AT THAT TIME EXACTLY WHERE
26 THE TOWERS ARE GOING TO BE.

1 RON?

2 MR. RON YUEN: THANK YOU.

3 WHAT I AM GOING TO BE DOING IN THE NEXT
4 30 MINUTES OR 40 MINUTES IS TO EXPLAIN TO YOU
5 THE METHODOLOGIES I AM GOING TO USE TO DO THE
6 GEOLOGY, SOIL AND HYDROLOGY EVALUATION AND
7 ENVIRONMENTAL IMPACT EVALUATION.

8 NEXT.

9 NOW, WHAT I AM GOING TO BE GOING OVER
10 SPECIFICALLY IS GEOLOGY, SOIL AND HYDROLOGY.

11 WETLAND, I AM NOT GOING TO TALK ABOUT
12 IT TODAY, BECAUSE DAMES & MOORE ARE GOING TO
13 DELINEATE THE WETLAND ALONG THE ALL-AMERICAN
14 CANAL AND ALSO THE COLORADO RIVER.

15 AND THE FORMULA I AM GOING TO PRESENT
16 TO YOU IS GOING TO GIVE YOU WHAT KIND OF
17 INFORMATION I AM GOING TO USE AND WHAT KIND OF
18 EVALUATION I AM GOING TO PERFORM AND THEN WHAT
19 YOU WILL EXPECT TO SEE IN THE AFFECTED
20 ENVIRONMENT IN THE DOCUMENT.

21 NEXT.

22 FOR THE GEOLOGY PART THE DATA SOURCES I
23 AM GOING TO USE INCLUDE WHAT ARE PRIMARILY
24 PUBLISHED BY THE STATE AND U.S.G.S. INCLUDING
25 THE GEOLOGIC MAPS, SURFICIAL MAP AND ALSO
26 BEDROCK GEOLOGY MAP.

1 AND THE STATE PUBLICATION RELATED TO
2 THE GEOLOGY. AND WE ACQUIRED THE WHOLE
3 CONSEQUENCE FOR THE RIGHT-OF-WAY OF THE INFRARED
4 AERIAL PHOTOGRAPHS FROM THE NUCLEAR POWER PLANT
5 TO MEXICALI. AND ALSO USED THE U.S.G.S.
6 PUBLISHED TOPOGRAPHIC MAPS.

7 NEXT.

8 WE TOUCHED ON INFORMATION. WHAT I
9 WOULD LIKE TO DO IS DERIVE SOMETHING, WHICH
10 INFORMATION TO DIGEST A LITTLE BIT WHAT DOES
11 THAT MEAN.

12 AND I WOULD DESCRIBE THE GEOLOGIC
13 SETTING IN THIS AREA. WE KNOW THAT THE
14 RIGHT-OF-WAY COVERS 177 MILES. IT IS A LONG
15 DISTANCE. THE TERRAIN THAT WE COVER INCLUDE
16 DIFFERENT KINDS OF GEOLOGY, BEDROCK IN THE
17 DESERT ENVIRONMENT AND A LOT OF WASHES. AND
18 SOME ARE SAND DUNES AND FLOODPLAINS NEAR BY THE
19 IMPERIAL COUNTY, CALIFORNIA.

20 AND WE NEED TO KNOW THE KIND OF
21 MATERIAL FOR THE SOIL DEVELOPMENT AND WHAT KIND
22 OF MATERIAL WE ARE DEALING WITH, INCLUDING THE
23 BEDROCK -- DIFFERENT TYPES OF BEDROCK. AND ALSO
24 THE ALLUVIAL DEPOSIT. THE OLD ALLUVIAL FAN
25 DEPOSITS.

26 AND BY LOOKING AT THE INFRARED AERIAL

1 PHOTOGRAPH IT CAN TELL US A LOT ABOUT THE
2 LANDFORM DEVELOPMENT, WHICH AREA THAT IS VERY
3 ACTIVE IN TERMS OF GEOMORPHIC PROCESSES INCURRED
4 BY WIND EROSION, WATER EROSION.

5 AND ALSO IN SOME OF THE DRAINAGE
6 DEVELOPMENT IN THE ALLUVIAL FAN DEPOSITS.

7 AND THE GEOLOGIC MAP ALSO TELLS US
8 WHERE ARE THE GEOLOGIC FAULTS IN THE
9 RIGHT-OF-WAY.

10 AND WE HAVE TO KNOW SOME OF THE
11 PREVIOUS SEISMIC ACTIVITY AROUND THIS AREA.
12 PRIMARILY BY THE YUMA AND ALSO THE IMPERIAL
13 COUNTY, CALIFORNIA.

14 NEXT.

15 TO GIVE YOU SOME IDEA ABOUT THE
16 GEOLOGIC SETTING I AM SEEING, IT'S -- THE
17 SOUTHWESTERN PART OF ARIZONA ACTUALLY COVERS A
18 LARGE AREA ALONG THE RIGHT-OF-WAY.

19 WE HAVE THE RANGE AND THE BASIN, THE
20 TOPOGRAPHY OR TERRAIN. AND YOU LIVE AROUND THIS
21 AREA, YOU KNOW THIS AREA BETTER THAN I DO,
22 PROBABLY.

23 AND YOU CAN SEE THE MOUNTAINS. AND AT
24 THE BASIN CREATED BY FAULTING AND SEDIMENT THAT
25 WILL BE PROVIDED BY THE BEDROCK EROSION. AND
26 YOU WILL SEE A LOT OF ALLUVIAL FAN IN FRONT OF

1 THE MOUNTAIN RANGE AND IN A LOT OF THE WASHES IN
2 THE LOWER LYING AREA.

3 NEXT.

4 ONE MAJOR FEATURE I WILL SAY IN THIS
5 AREA IS THE SAND DUNE. YOU DON'T SEE MUCH SAND
6 DUNE IN THE U.S. COMPARED TO THE OTHER DESERT
7 ENVIRONMENTS. BUT IN CALIFORNIA, IMPERIAL
8 COUNTY, WE CAN SEE THE SAND DUNES AND THE AREA
9 HAS BEEN HEAVILY USED BY THE VEHICLES. AS ED
10 POINTED OUT, THAT A LOT OF OFF-ROAD VEHICLES USE
11 THE SAND DUNE FOR RECREATION PURPOSE.

12 AND, BY THE WAY, THE SAND DUNES -- A
13 COLLEAGUE OF MINE ASKED ME THIS -- WHY DO WE
14 HAVE SAND DUNES HERE AND NOT IN THE OTHER AREAS.

15 AND WE HAVE TO KNOW THAT THE COLORADO
16 RIVER ONCE HAD BEEN FLOATED INTO THE SALTON SEA,
17 THEN INTO THE BAY AND THEN IT CREATED A LOT OF
18 SANDY MATERIAL. THE WIND AND THE SOURCE OF
19 SANDY MATERIAL ACCUMULATE AND THEN CREATE THAT
20 KIND OF A SAND DUNE ENVIRONMENT.

21 ON THE OTHER SIDE IS THE ALLUVIAL FAN
22 DEPOSITS AND WE FIND THE GRAVEL ON THE SURFACE.
23 MOST OF THE LAND SURFACE ARE PROTECTED IF IT IS
24 NOT DISTURBED, OKAY? SO IT DOESN'T PROVIDE
25 ENOUGH SANDY MATERIAL TO CREATE THE TYPE OF SAND
26 DUNE.

1 NEXT ONE.

2 IN THE GEOLOGY AFFECTED ENVIRONMENT
3 SECTION WHAT I AM GOING TO PROVIDE IS SOMEWHAT
4 OF A DESCRIPTION OF THE GEOLOGY OF THIS AREA
5 AND DIFFERENT KINDS OF LANDFORM THAT THE
6 RIGHT-OF-WAY IS GOING TO PASS, INCLUDING THE
7 MOUNTAINS, THE ALLUVIAL FAN, GILA RIVER VALLEY,
8 COLORADO RIVER, SAND DUNES, DESALTING PLANT. A
9 WHOLE BUNCH OF THINGS. AND ALSO TO SHOW YOU
10 WHERE THE FAULTS WOULD BE. AND THE DESCRIPTION
11 OF THE HISTORICAL SEISMIC ACTIVITY IN THIS AREA.

12 NOW, THIS INFORMATION WILL BE USED
13 AGAIN IN THE SOILS DESCRIPTION, BECAUSE MOST OF
14 THE GEOLOGY THINGS JUST PROVIDE THE BACKGROUND
15 OF THE AREA.

16 IN TERMS OF THE ENVIRONMENTAL
17 CONSEQUENCE I WOULD SAY IT'S NOT MUCH, EXCEPT
18 MAYBE FOR GROUNDWATER OR SURFACE WATER, OKAY?
19 BECAUSE NO MATTER WHERE YOU PUT THE TOWER OR THE
20 RIGHT-OF-WAY, THE SEISMIC STILL OCCUR THERE.
21 AND YOU CANNOT CHANGE THAT.

22 AND THE SAND DUNES STILL ARE VERY
23 ACTIVE IN THIS AREA, NO MATTER WHERE YOU PUT THE
24 TOWER, OKAY?

25 SO THOSE ARE THE BACKGROUND
26 INFORMATION.

1 NEXT.

2 FOR THE SOIL, THE DATA SOURCES I AM
3 GOING TO USE INCLUDE SEVERAL.

4 ONE IS THE NATURAL RESOURCES
5 CONSERVATION SERVICE SOIL MAP, PREVIOUSLY KNOWN
6 BY THE SOIL CONSERVATION SERVICE SOIL MAP.
7 PRIMARILY THE INFORMATION IS FROM THIS ONE.

8 HOWEVER, IN SOME AREAS -- FOR EXAMPLE,
9 THE YUMA PROVING GROUND OR THE YUMA -- FORT YUMA
10 INDIAN RESERVATION, WE DON'T HAVE SOIL MAPS
11 THERE.

12 YUMA PROVING GROUND JUST RECENTLY
13 PREPARED ONE. BUT THE CLASSIFICATION SYSTEM IS
14 DIFFERENT FROM THE OTHER COUNTY.

15 SO FOR THOSE AREAS WE DON'T HAVE THE
16 SOIL INFORMATION. I HAVE TO DO MY
17 INTERPRETATION FROM THE AERIAL PHOTOGRAPH AND
18 ALSO USE THE TOPOGRAPHIC MAPS THEN TO TELL WHAT
19 TYPE OF SOIL AND THE BEDROCK THAT I WOULD
20 ANTICIPATE. AND THEN ARE THOSE SOILS SIMILAR TO
21 THE SOIL TYPE THAT'S OUTSIDE THE BOUNDARY. THE
22 YUMA BOUNDARY OR THE INDIAN RESERVATION
23 BOUNDARY.

24 AND ALSO THE TOPOGRAPHIC MAPS CAN TELL
25 ME THE TERRAIN OF THE AREA THAT WE ARE GOING TO
26 BE TALKING ABOUT IN THE IMPERIAL VALLEY AND THAT

1 WE KNOW IS GOING TO BE A VERY SANDY SOIL.

2 AND ALSO USING SOME EVALUATION I HAVE
3 FROM THE GEOLOGY AND THE GEOMORPHIC PROCESSES IS
4 ANOTHER THING THAT I CAN USE TO DERIVE THE SOIL
5 TYPE.

6 OKAY, NEXT.

7 IN THE EVALUATION WHAT I AM GOING TO DO
8 IS ACTUALLY GROUP SOME SOILS TOGETHER. BECAUSE
9 OF THE SOIL ASSOCIATION ON DIFFERENT LANDFORMS.

10 IF YOU LOOK AT THE SOIL MAP IN YUMA --
11 BY COUNTY YOU CAN END UP WITH A TREMENDOUS
12 NUMBER OF DETAILED SOIL. AND WE CANNOT AFFORD
13 TO DO THAT. BECAUSE THERE IS TOO MANY TO HANDLE
14 FOR THE E.I.S. PURPOSE. I THINK THAT WE HAVE TO
15 GROUP THE SOILS THAT HAVE SOME RELATED FEATURE
16 TOGETHER INTO A SOIL ASSOCIATION.

17 AND ALSO WE HAVE TO LOOK AT THE SOIL
18 CHARACTERISTICS. SOME SOILS ARE VERY GRAVELLY
19 SOIL, SOME ARE VERY SANDY AND WE HAVE TO
20 DESCRIBE THEM.

21 WITH DIFFERENT TYPES OF SOILS YOU CAN
22 ALSO SEE THE DRAINAGE DEVELOPMENT PATTERNS ARE
23 DIFFERENT. SOME ARE VERY PRONE TO SOIL EROSION,
24 SOME ARE NOT. AND IT DEPENDS ON THE SOIL TYPE
25 AND THE TOPOGRAPHY OF THE SOIL, THE WAY IT IS
26 LOCATED.

1 AND THOSE THINGS THAT I HAVE TO LOOK
2 AT -- THE AERIAL PHOTOGRAPH CAN TELL ME A LOT
3 ABOUT THE DRAINAGE PATTERNS IN THAT AREA.

4 AND ONE VERY IMPORTANT THING IS WE
5 SPENT A COUPLE FIELD TRIPS IN DECEMBER LAST YEAR
6 AND ALSO IN JANUARY -- LAST JANUARY TO LOOK AT
7 THE FIELD SITUATION. WHAT KIND OF THINGS
8 HAPPENED IN THAT AREA.

9 AND FROM THAT WE HAVE TO DERIVE SOME
10 TYPE OF SOIL EROSION POTENTIAL BY WIND AND ALSO
11 BY SURFACE WATER.

12 WE KNOW THAT WE ARE IN A DESERT
13 ENVIRONMENT AND THE WIND EROSION IS AN IMPORTANT
14 FEATURE. AND IN ADDITION TO THE WASHES NEAR THE
15 FOOTHILLS.

16 IN THE EVALUATION SOME PEOPLE -- AND I
17 ALSO ASKED MYSELF -- NOW, YOU HAVE SOME VERY
18 ACTIVE EROSION AREA BY NATURE, OKAY? WE ARE
19 TALKING ABOUT THE SAND DUNES AND ALSO THE WASHES
20 IN FRONT OF THE MOUNTAINS, OKAY?

21 THOSE AREAS ARE ACTIVE BY NATURE. NO
22 MATTER WHERE YOU PUT THOSE STRUCTURES, YOU WILL
23 ALWAYS ENCOUNTER VERY ACTIVE -- VERY HIGHLY
24 ACTIVE EROSION POTENTIALS.

25 SO BECAUSE IN THE E.I.S. WE ARE TALKING
26 ABOUT HUMAN ACTIVITY IMPACTS ON THE NATURE, SO I

1 WOULD TRY TO EXCLUDE THOSE FEATURES IN MY
2 EVALUATION TO PROVIDE THE SOIL EROSION
3 POTENTIALS.

4 SO NEXT SLIDE.

5 SO AT THE END I WOULD PROVIDE SOIL
6 ASSOCIATION MAPS AND THE DESCRIPTIONS ALONG THE
7 RIGHT-OF-WAY.

8 AND THE B.L.M. GENTLEMAN ASKED THE
9 QUESTION HOW SPECIFIC DO YOU WANT TO PROVIDE THE
10 INFORMATION IN THE E.I.S.

11 NOW, WHAT I AM GOING TO DO IS IN THOSE
12 MAPS, INCLUDING THE SOIL POTENTIAL -- EROSION
13 POTENTIAL MAP, I CLASSIFY THE SOIL INTO THREE OR
14 FOUR TYPES AND IDENTIFY WHICH AREA WE HAVE A
15 HIGHLY EROSION POTENTIAL.

16 AND WHEN WE BUILD -- OR THE N.R.G. IS
17 GOING TO BUILD A TOWER OR ACCESS ROAD OVER
18 THERE, THEY SHOULD BE AWARE OF IT. WHAT KIND OF
19 PROBLEMS ARE THEY GOING TO ENCOUNTER IN THAT
20 AREA.

21 SO AT LEAST THEY HAVE SOMETHING TO
22 WORK -- TO START WITH AND TO BE AWARE OF.

23 LATER ON WHEN THEY BUILD THEIR ROAD OR
24 BUILD THEIR TOWER STRUCTURES THEY HAVE TO DO A
25 FURTHER -- THE MORE DETAILED ON-SITE
26 TOWER-BY-TOWER SOME TYPE OF EVALUATION.

1 NEXT.

2 TO GIVE YOU SOME TYPE OF FLAVOR ABOUT
3 THE LANDFORM HERE OR THE SOIL TYPES THAT ARE
4 HERE WE ARE DEALING WITH, WE HAVE THE MOUNTAINS
5 AND MOUNTAIN FRONT. WE HAVE THE OLD ALLUVIAL
6 FAN DEPOSITS.

7 NEAR THE MOUNTAIN FRONT WE HAVE VERY
8 GRAVELLY SOIL, OKAY? AND ALSO THE DRAINAGE ARE
9 WELL DEVELOPED IN THIS AREA.

10 AND THE NEXT ONE.

11 ON THE CONTRARY, WHEN YOU TRAVEL IN THE
12 IMPERIAL COUNTY IN CALIFORNIA, ESPECIALLY NEAR
13 THE SAND HILLS OR THE SAND DUNES, YOU MAY FIND A
14 LOT OF SANDY SOIL ON A VERY FLAT AREA. AND YOU
15 MAY NOT SEE MUCH DRAINAGE DEVELOP IN THOSE
16 AREAS. BECAUSE THE SOILS ARE VERY PERMEABLE,
17 MOST OF THE WATER CAN GO DOWN TO THE SURFACE
18 QUITE QUICKLY.

19 SO THIS AREA IS FLAT AND THE EROSION
20 PROBLEM WOULD BE MUCH, MUCH LESS THAN THE SOIL
21 NEARBY THE MOUNTAIN FRONT.

22 NEXT.

23 NOW, WITH THOSE INFORMATIONS -- AND WE
24 HAVE TO ASK -- WITH HUMAN ACTIVITY ENTERING INTO
25 THE AREA, WHAT TYPE OF IMPACT WOULD WE EXPECT.

26 SO BY USING THE SOIL EROSION MAP IN THE

1 AFFECTED ENVIRONMENTAL WE HAVE TO INCORPORATE
2 WHAT TYPE OF CONSTRUCTION EFFORTS THEY ARE GOING
3 TO DO. AND WHERE IS THE TOWER. WHERE IS THE
4 ACCESS ROAD.

5 AND EVEN THOUGH WE KNOW THAT WE ARE
6 GOING TO USE THE EXISTING ROAD AS MUCH AS
7 POSSIBLE, BUT MEANWHILE AS YOU PASS FROM ONE
8 EXISTING LINE 150 FEET TO THE NORTH TO THE
9 CENTERLINE OF THE PROPOSED ROUTE, YOU STILL HAVE
10 TO GET ACCESS TO THOSE AREAS.

11 SO YOU HAVE TO BE AWARE OF THOSE AREAS.
12 ARE THEY SENSITIVE TO SOIL EROSION OR SENSITIVE
13 TO THE SURFACE WATER OR OTHER ISSUES. WE HAVE
14 TO BE AWARE OF IT.

15 AND WHAT TYPE OF MITIGATION MEASURES WE
16 ARE GOING TO PROPOSE TO DO. SOME OF THE
17 MITIGATION CAN CAUSE AN ADVERSE EFFECT UPON THE
18 ENVIRONMENT.

19 AND ALSO THE SUMMARY WOULD BE THE
20 ADVERSE IMPACTS CAUSED BY THE CONSTRUCTION AND
21 ALSO THE MAINTENANCE ACTIVITIES.

22 NEXT.

23 TO GIVE YOU SOME TYPE OF OBSERVATION WE
24 HAVE IN THE FIELD IN DECEMBER. AND HERE WE
25 POINT OUT SOME OF THE SOIL EROSION PROBLEMS,
26 NEARBY ALLUVIAL FAN IN FRONT OF THE SMALL HILL

1 AND THE MOUNTAIN.

2 HERE IS THE ACCESS ROAD USED BY THE
3 PREVIOUS T-LINE. AND YOU CAN SEE THAT BECAUSE
4 OF THE TRAFFIC ON THIS ROAD IT CAUSED A
5 DIFFERENTIAL COMPACTION.

6 AND THE INFILTRATION OF THE WATER WILL
7 BE CHANGED, BECAUSE YOU DISTURBED THE NATURE OF
8 THE ENVIRONMENT ALREADY.

9 AND SOME OF THE SURFACE WATER MAY NOT
10 GO DOWN AS BEFORE AND THEN YOU WILL BE CHanneLED
11 TO THE SIDE OR TO SOMEWHERE ELSE BECAUSE OF
12 THE SOIL EROSION AND YOU CAUSE THE SEDIMENT
13 PROBLEM DOWNSTREAM. DOWN SLOPE.

14 NEXT.

15 ANOTHER SITUATION IS IF YOU ARE
16 BUILDING A TOWER NEAR A VERY SENSITIVE AREA AND
17 THEN YOU DISTURB THE SURFACE. AND THOSE SLOPES
18 ALREADY HAVE SOME EROSION PROBLEM.

19 WHAT I WANT TO POINT OUT IN HERE IS IT
20 DOESN'T HAPPEN EVERYWHERE. IT DOESN'T HAPPEN
21 WHERE YOU PUT THE TOWER, OKAY? BUT IN CASE YOU
22 HAVE DONE ENOUGH DISTURBANCE. AND THOSE
23 STRUCTURES CAN CAUSE SOME TYPE OF EROSION IN THE
24 SOIL.

25 OKAY, NEXT.

26 NOW, ON THE LEVEL SANDY SOIL WE DON'T

1 SEE MUCH ENVIRONMENTAL IMPACT AT ALL IN TERMS OF
2 SOIL EROSION. BECAUSE MOST OF THE WATER JUST
3 GOES STRAIGHT DOWN OR EVEN TRAVELS A VERY SHORT
4 DISTANCE BEFORE IT GOES DOWN TO THE SURFACE.

5 OKAY, NEXT.

6 FOR THE HYDROLOGY PART I AM GOING TO
7 TALK ABOUT THE SURFACE WATER BODIES.

8 PRIMARILY WE ARE TALKING ABOUT THREE
9 TYPES OF SURFACE WATER BODIES. THE COLORADO
10 RIVER. WE HAVE A DEPOSIT IN THE COLORADO RIVER.
11 AND THE WASHES IS VERY, VERY ACTIVE IN THIS
12 AREA.

13 AND ALSO WE HAVE A LOT OF ARTIFICIAL
14 CANALS AND DRAINS BECAUSE WE HAVE TO USE THE
15 WATER FOR AGRICULTURAL PURPOSES.

16 AND WE ALSO TALK ABOUT GROUNDWATER
17 ISSUES IN HERE AND FLOODPLAIN.

18 NEXT.

19 HERE IS THE ALL-AMERICAN CANAL HERE
20 NEAR PILOT KNOB, CALIFORNIA. AND IT IS
21 ARTIFICIAL, THE WATER BODY AND THE WATER COMING
22 IN HERE. YOU CAN SEE THERE IS SOME TYPE OF
23 RIDGE THAT DEVELOPED ALONG THE EDGE OF THAT
24 WATER BODY.

25 OKAY.

26 THE ARTIFICIAL CANAL CREATES SOME KIND

1 OF VERY LOCAL GROUNDWATER SITUATION. IN THE
2 DESERT ENVIRONMENT YOU CAN SEE THAT THE
3 GROUNDWATER LEVEL IS ALMOST 150 FEET OR EVEN
4 DEEPER BELOW THE GROUND SURFACE.

5 HOWEVER, NEAR THE -- NEAR BY THE
6 SURFACE WATER BODIES WE FIND THAT THE
7 GROUNDWATER LEVEL IS RIGHT NEAR THE SURFACE.

8 NOW, ASSUMING THAT WE ARE ACCURATE
9 THAT THOSE CANALS ARE NOT LINED, IT MEANS THAT
10 THE WATER IN SOME AREAS CAN INFILTRATE INTO THE
11 BANK AND GO TO THE SURFACE.

12 IN THE CASE OF SOME FLOODPLAIN AREA
13 SITUATIONS YOU HAVE FINE, GRAINY SAND UNDERNEATH
14 THE SURFACE. SOME OF THE GROUNDWATER CAN
15 INFILTRATE NATURALLY INTO THIS AREA AND INSTEAD
16 OF GOING DOWNWARD IT STAYS NEAR THE SURFACE AND
17 THEN EVAPORATES BY THE HEAT IN THE DESERT
18 ENVIRONMENT.

19 AND YOU CAN CREATE A LOT OF SALT AROUND
20 THIS AREA IN SOME LOCATIONS BY THE CANAL OR BY
21 THE MAIN RIVER -- COLORADO RIVER. SO THOSE
22 THINGS WE HAVE TO BE AWARE OF.

23 NOW, HOW DO THEY RELATE TO THE IMPACT
24 OF THE CONSTRUCTION OF TOWERS.

25 ASSUME THAT WE HAVE SOME TYPE OF A
26 WETLAND -- A VERY LOCALIZED WETLAND CAUSED BY

1 THE INFILTRATION OF THE SURFACE WATER BODY.
2 AND IF YOU PUT A TOWER NEAR THAT
3 WETLAND, THEN YOU HAVE TO PUT SOME TYPE OF
4 FOUNDATION. AND THAT FOUNDATION YOU HAVE TO
5 DRIVE PILES OR DRILL SOME LOCATION. AND I DON'T
6 KNOW HOW DEEP IT WOULD BE, WHETHER 20 FEET OR 15
7 FEET.
8 YOU PUNCH THE PERMEABLE LAYER AND THE
9 GROUNDWATER LEVEL -- GROUNDWATER CAN GO DOWN.
10 THE WETLAND IN THE SURFACE MAY BE DESTROYED.
11 OKAY? THAT IS SOME TYPE OF ISSUE YOU HAVE TO BE
12 AWARE OF.
13 SO WHAT WE ARE GOING TO DO IS DAMES &
14 MOORE ARE GOING TO PROVIDE A SURVEY TO DO THE
15 DELINEATION OF THE WETLAND ALONG THE ARTIFICIAL
16 WATER BODIES. THE ALL-AMERICAN CANAL, THAT'S
17 THE MAJOR ONE AROUND THIS AREA. AND ALSO IN THE
18 COLORADO RIVER.
19 NEXT.
20 THERE ARE OTHER TYPES OF SURFACE WATER
21 BODIES WHERE YOU DON'T SEE ANY WATER AT ALL.
22 THOSE YOU SEE WATER ONLY DURING THE RAINSTORM,
23 AND YOU CAN SEE THAT IN HERE. THE WASH IS VERY
24 ACTIVE. ESPECIALLY IN THE ALLUVIAL FAN DEPOSITS
25 RUNNING DOWN FROM THE CREST OF THE MOUNTAINS --
26 MUGGINS MOUNTAINS INTO THE GILA VALLEY, OKAY?

1 A LOT OF THE LEVIES ARE CONSTRUCTED
2 ALONG THE FOOT OF THOSE ALLUVIAL FANS, OKAY? SO
3 THOSE ARE EITHER TO CONTROL THE WATER FLOW OR
4 DURING THE FLASH FLOOD OR YOU MAY ALSO FIND
5 SOMEONE DRAINING THIS AREA. THEY MAY INTERCEPT
6 SOME WATER OR DIVERT SURFACE WATER FOR
7 AGRICULTURAL PURPOSE.

8 NEXT ONE.

9 THE OTHER KINDS OF SURFACE WATER BODIES
10 IS THE COLORADO RIVER. THERE IS THE LAGUNA DAM,
11 THE CROSSING IS GOING TO BE AROUND THIS AREA.

12 YOU CAN SEE THAT THIS RIVER IS HEAVILY
13 RECREATED. THE FLOW OF THE RIVER IS HEAVILY
14 RECREATED.

15 NEXT ONE.

16 THE DATA SOURCE I AM GOING TO USE TO
17 LOOK AT THE HYDROLOGY INCLUDES THE U.S.G.S.
18 TOPOGRAPHIC MAP AGAIN AND AERIAL PHOTOGRAPHS,
19 AND ALSO USE THE F.E.M.A. PUBLISHED FLOOD
20 INSURANCE RATE MAP.

21 THE LAST ONE DEALS WITH THE FLOODPLAIN
22 OF THAT AREA. ACTUALLY SOME OF THE AREA ARE NOT
23 PERMEABLE. ESPECIALLY IN THE INDIAN
24 RESERVATION, THEY DON'T SEEM TO HAVE A
25 FLOODPLAIN MAP.

26 AND ALSO IN THE YUMA PROVING GROUND

1 MILITARY YOU DON'T SEE THE FLOODPLAIN MAP
2 PROVIDED.

3 NEXT ONE.

4 FOR THEIR AFFECTED ENVIRONMENT I AM
5 GOING TO DESCRIBE IN THE E.I.S. -- I AM GOING TO
6 DELINEATE THE 100-YEAR FLOODPLAIN. AND ALSO
7 DAMES & MOORE ARE GOING TO PROVIDE THE WETLAND
8 DELINEATION.

9 AND THE GROUNDWATER IN THIS AREA IS
10 EXPECTED TO BE DEEP, OVER 100 FEET. BUT NEARBY
11 SURFACE WATER BODIES WE WILL SEE VERY LOCAL NEAR
12 SURFACE GROUNDWATER.

13 NEXT ONE.

14 TO EVALUATE THE CONSEQUENCES OF THIS
15 PROJECT WHAT I AM LOOKING AT IS THAT WHERE IS
16 THE TOWER GOING TO BE BUILT AND THE ACCESS ROAD
17 GOING TO BE BUILT. AND WHAT TYPE OF
18 CONSTRUCTION PRACTICES THEY ARE GOING TO BE
19 USING. AND A COUPLE ISSUES I CAN SEE IN HERE
20 RELATED TO THE SURFACE WATER.

21 NOW, ECOLOGY MAY FIND A DIFFERENT
22 ISSUE. BUT IN TERMS OF HYDROLOGY THESE ARE TWO
23 THINGS I AM LOOKING AT.

24 ONE IS TO BE AWARE OF THE DIVERSION OF
25 THE FLOOD WATER IN THIS AREA BECAUSE OF THE
26 EITHER ACCESS ROAD OR ANY KIND OF CONSTRUCTION

1 ACTIVITY IN THIS AREA THAT HAS SOME
2 ENVIRONMENTAL IMPACT.

3 AND THE SECOND THING, AS I MENTIONED
4 BEFORE, IS NEAR THE ALL-AMERICAN CANAL. WE
5 DON'T WANT SOME WETLAND TO BE DESTROYED OR TO
6 DRAIN THE WETLAND AND ALL THE SURFACE WATER --
7 NEAR SURFACE WATER -- GROUNDWATER WILL BE
8 DRAINED AND INFILTRATED INTO SUBSURFACE AND THE
9 WETLAND COULD BE DESTROYED.

10 NEXT.

11 THAT ENDS MY PRESENTATION. IF YOU
12 HAVE ANY QUESTIONS.

13 YES.

14 MS. GAIL GALLAGHER: I DON'T HAVE A
15 QUESTION. GAIL GALLAGHER, YUMA COUNTY.

16 AS FAR AS YOUR SOURCES OF INFORMATION,
17 IN THE 1970 -- THE LATE 1970'S, EARLY '80'S WHEN
18 I WAS WORKING FOR BUREAU OF LAND MANAGEMENT IN
19 THE GILA RESOURCE -- LOWER GILA RESOURCE AREA,
20 WE DID A SOIL VEGETATION INVENTORY IN THAT
21 NORTHEAST AREA.

22 SO THERE ARE RECORDS IN PHOENIX AND
23 SOME IN YUMA OF THE SOILS, THE HYDROLOGY, THE
24 VEGETATION THAT EXISTS.

25 MR. RON YUEN: YEAH. I AM AWARE OF
26 THAT. THE YUMA COUNTY AGRICULTURE SERVICE HAVE

1 THE SOIL MAP. YUMA COUNTY HAS A SOIL MAP. IN
2 CALIFORNIA THE IMPERIAL VALLEY HAS THE SOIL MAP.
3 AND I AM STILL LOOKING AT ONE SOIL PUBLICATION
4 WHICH WAS MADE IN 1925 IN THE YUMA AREA.
5 CALIFORNIA.

6 SO WE TRIED TO GET ONE -- THAT IS THE
7 LIBRARY ONE THAT U.C.L.A DID. THEY USED TO
8 HAVE THAT KIND OF DOCUMENT, THEN LATER ON THEY
9 FIND IT WAS MISSING, SO WE HAD TO GO TO ANOTHER
10 SOURCE.

11 AND I DON'T KNOW THAT ANYBODY CAN HELP
12 ME OUT AND HOW CAN I FIND THAT SOIL MAP. IT'S
13 A DIFFICULT-TO-FIND SOIL MAP.

14 MR. ED PENTECOST: AN INTERESTING ASIDE
15 HERE. RON FOUND THAT DEPENDING ON WHETHER YOU
16 WERE MARICOPA COUNTY OR IN YUMA COUNTY THE
17 U.S.G.S. CLASSIFIED THE SAME SOIL TYPES
18 DIFFERENTLY. SO THAT ADDED A LITTLE --

19 MR. RON YUEN: YEAH, THAT IS ONE THING
20 THAT I FOUND OUT. THEY HAVE THE SOIL VERY
21 GEOGRAPHICALLY, OKAY? WHEN YOU CROSS THE COUNTY
22 BOUNDARY OR CROSS THE MILITARY BOUNDARY THEY USE
23 DIFFERENT NAMES FOR A SIMILAR TYPE OF SOIL.
24 THAT HAPPENED.

25 THE OTHER THING IS THAT THEY MAY USE
26 THE SAME NAME FOR DIFFERENT SOIL DESCRIPTIONS

1 ACROSS TWO DIFFERENT COUNTIES.

2 SO THAT TYPE OF INCONSISTENCIES -- I
3 TRIED TO ELIMINATE THAT AND JUST PROVIDE THE
4 DESCRIPTION AND SAY THAT IS THE TYPE OF SOIL WE
5 ARE DEALING WITH. OKAY?

6 YES.

7 MR. STEPHEN FUSILIER: STEVE FUSILIER
8 WITH B.L.M.

9 HAVE YOU TALKED TO THE BUREAU OF
10 RECLAMATION ABOUT THEIR HYDROLOGY INFORMATION?

11 MR. RON YUEN: NO, I DON'T. I TRIED TO
12 CONTACT -- I KNOW THAT THEY HAVE SOMETHING TO DO
13 WITH THE COLORADO RIVER. AND I THINK I HAVE TO
14 TALK TO THEM. THEY HAVE AN ISSUE ABOUT THE
15 WETLAND DELINEATION. IS THAT RIGHT? I WOULD
16 LIKE TO.

17 MR. STEPHEN FUSILIER: I HAVE THE NAME
18 OF A -- THE LAST NAME ESCAPES ME NOW, BUT I KNOW
19 A HYDROLOGY ENGINEER WITH THEM.

20 MR. RON YUEN: OKAY.

21 MR. STEPHEN FUSILIER: AND I CAN GET
22 HIS NAME FOR YOU.

23 MR. RON YUEN: OH, SURE. I'D
24 APPRECIATE THAT.

25 MR. ED PENTECOST: ONE OF THE OTHER
26 THINGS RON LEFT OUT OF HIS PRESENTATION WAS WHEN

1 JIM AND I MADE THE DRIVE-THROUGH IN JANUARY.

2 WE WERE DOWN I THINK THE 4TH OF JULY IN
3 THE WASH AREA. THERE IS A BIG WASH. AND WE SAW
4 LIKE SIX TO EIGHT FOOT HIGH CONCRETE PILLARS
5 THAT THE TOWER WAS ON. THEY HAD TO PUT THE
6 TOWER RIGHT IN THE MIDDLE OF THAT WASH.

7 WE LOOKED AT THE PILLAR TO SEE IF IT
8 MAY HAVE ERODED AWAY OVER TIME, AND NO MARKS OR
9 ANYTHING. SO WE ASSUMED THAT THAT ENTIRE
10 SEGMENT WAS ABOVE GROUND AND WAS PUT UP TO BE ON
11 THAT TYPE OF SURFACE.

12 MR. RON YUEN: I HAVE A QUESTION FOR
13 ROD.

14 DO YOU KNOW HOW TO USE THE FOUNDATION
15 FOR THOSE TOWERS? HOW DID THEY DO THAT?

16 MR. ROD LEAS: WELL, IT DEPENDS ON THE
17 SOILS THAT IT'S IN. IT CAN PROBABLY GO AS DEEP
18 AS 40 FEET OR SO IN SAND. AND IN CONSOLIDATED
19 SOILS OR MARSH TO A FEW FEET. THREE FEET, SIX
20 FEET. IT DEPENDS A LOT --

21 MR. RON YUEN: YEAH.

22 MR. ROD LEAS: -- ON THE BEDROCK.

23 MR. RON YUEN: ON THE BEDROCK PROBABLY
24 YOU DON'T NEED TO GO DOWN AT ALL.

25 MR. ROD LEAS: RIGHT. BEDROCK YOU CAN
26 ALMOST BOLT IT TO THE ROCK. BUT THAT'S NOT

1 GOOD. YOU DON'T KNOW HOW STABLE THE ROCK IS.

2 MR. RON YUEN: THANKS.

3 MR. ROD LEAS: BUT THE WORST FOUNDATION
4 PROBLEM WILL BE IN THE SAND DUNES AND THE MARSH
5 IF YOU HAVE TO GO THROUGH THE MARSH AREAS.

6 MR. RON YUEN: OKAY.

7 MR. ED PENTECOST: ANOTHER OBSERVATION
8 WE MADE -- AND I THINK IT WAS IN THE UNNAMED
9 WASH ALONG THE NORTH EDGE OF THE FORT YUMA
10 RESERVATION.

11 WE WENT FAIRLY RECENT, BUT THERE HAS
12 BEEN SOME CREOSOTED TIMBERS FASTENED TOGETHER IN
13 THE FORM OF A "V" UPSTREAM OF THE THE TOWER, AS
14 IF IT WERE TO FEND OFF ANYTHING FLOWING DOWN IN
15 THE WAY OF LIMBS OR BRANCHES.

16 NOTHING WAS PILED UP THERE, BUT IT MUST
17 HAVE BEEN A MITIGATION OF ENVIRONMENT WHEN THAT
18 WAS PUT IN.

19 MR. RON YUEN: THAT IS FOR ONE OF THE
20 TOWERS WE SAW NORTH OF THE INDIAN RESERVATION.
21 THE FORT YUMA RESERVATION. THEY BUILT A TOWER
22 IN THE MIDDLE OF THE WASH. AND ALSO -- I DON'T
23 KNOW WHY THEY CHOOSE THAT.

24 BUT -- AND ALSO THEY BUILT A COUPLE OF
25 FENCE STRUCTURES. I DON'T KNOW IF THAT'S TO TRY
26 TO DIRECT ANY -- A LOG FROM THE WASH FROM

1 HITTING THE TOWER. THAT IS A POSSIBLE
2 MITIGATION.

3 BUT NORMALLY I DON'T THINK IT'S COMMON
4 TO BUILD A TOWER IN THE WASH AT ALL.

5 MR. ROD LEAS: ALTHOUGH UP AROUND
6 PHOENIX THEY BUILT TOWERS RIGHT DOWN THE MIDDLE
7 OF THE SALT RIVER.

8 MR. ED PENTECOST: THAT'S WHERE THEY
9 PUT THEM ON THE LITTLE PEDESTALS.

10 MR. ROD LEAS: WHEN I SAY WE WERE
11 LOOKING AS DEEP AS 40 FEET, THAT WOULD PROBABLY
12 BE A SINGLE-SHAFT STEEL STRUCTURE AT A TURN.

13 HOPEFULLY WE DON'T HAVE TO BUILD ANY
14 SINGLE-SHAFT STEEL. HOPEFULLY WE DON'T HAVE TO
15 BUILD LIKE 90-DEGREE TURNS.

16 SO THAT WOULD BE THE MAXIMUM WE WOULD
17 PROBABLY HAVE TO GO. ON A LATTICE STRUCTURE THE
18 TOWER FOOTING WOULD BE A LOT LESS THAN THAT.

19 MR. RON YUEN: THANK YOU.

20 MR. ED PENTECOST: READY TO TAKE A
21 BREAK? ELLEN, WHERE IS THE POP YOU ORDERED TO
22 BE PUT ON MY BILL?

23 (A RECESS WAS TAKEN.)

24 MR. ED PENTECOST: THESE NEXT FEW
25 SECTIONS I DON'T THINK WILL TAKE THAT LONG. I
26 AM GOING TO COVER SOCIOECONOMICS AND THEN E.M.F.

1 ANALYSIS AND THEN VISUAL. MAYBE VISUAL
2 RESOURCES AFTER THIS.

3 TIM ALLISON IS OUR SOCIOECONOMIST ON
4 THE PROJECT AND HE HAS GATHERED A LOT OF THE
5 INFORMATION THAT HE WILL NEED. THERE IS STILL A
6 FEW OUTSTANDING PHONE CALLS TO BE RETURNED.

7 BUT HE IS GOING TO BE LOOKING AT LOCAL
8 COMMUNITIES. LOOKING AT YUMA, MARICOPA COUNTY,
9 IMPERIAL COUNTY STATISTICS ON TAXING
10 JURISDICTIONS, LOCAL COMMUNITIES ALONG THE
11 ROUTE, OPERATIONAL IMPACTS.

12 HE PLANS TO LOOK AT THE FIRST YEAR OF
13 OPERATION. AND ADDRESSING ECONOMIC EFFECTS.
14 AND THEN ENVIRONMENTAL JUSTICE IMPACTS.

15 HE TELLS ME THAT HE HAS A DATABASE
16 THAT'S COMMERCIALLY AVAILABLE FROM A FIRM IN
17 MINNEAPOLIS THAT WILL GIVE HIM UPDATED INFO ON
18 LOW-INCOME MINORITY POPULATIONS, AS WELL AS
19 POPULATION DATA.

20 BECAUSE OF TIMING -- WE ARE IN 1999 AND
21 THE 1990 CENSUS MAY NOT QUITE BE UP-TO-DATE. SO
22 WE ARE KIND OF TALKING BAD TIMING IN A TEN-YEAR
23 CENSUS.

24 NEXT ONE.

25 WE HAVE ASKED N.R.G. TO GIVE US LABOR
26 REQUIREMENTS AND A SCHEDULE FOR CONSTRUCTION.

1 NUMBERS OF WORKERS AND WHEN THEY WILL BE IN THE
2 AREA HERE.

3 AND WE WILL BE LOOKING AT WHAT, IF ANY,
4 EFFECTS IT WOULD HAVE ON LOCAL EMPLOYMENT,
5 INCOME.

6 ONE OF THE FACTORS WE USUALLY ADDRESS
7 IS WHETHER THERE WILL BE A LARGE NUMBER OF
8 WORKERS COMING IN. LIKE YOU WOULD WITH A
9 NUCLEAR PLANT, YOU CAN GET UP TO 600, 700
10 CONSTRUCTION WORKERS ON SITE DURING PEAK
11 CONSTRUCTION PERIODS, AND THAT'S OVER A SEVEN OR
12 EIGHT-YEAR PERIOD.

13 HERE WE ARE NOT DEALING WITH THAT. BUT
14 WE LOOK TO SEE IF THE LOCAL COMMUNITY CAN
15 SUPPORT THAT WITH HOUSING AND OTHER COMMUNITY
16 SERVICES.

17 NEXT SLIDE.

18 I WOULD THINK THAT MOST OF YOUR WORK
19 FORCE IS GOING TO COME FROM THIS AREA. HOW FAR
20 DO PEOPLE COMMUTE OUT HERE? 40, 50, 60 MILES?

21 MS. GAIL GALLAGHER: GAIL GALLAGHER.

22 SOME PEOPLE WILL COMMUTE FROM
23 CALIFORNIA. ESPECIALLY WHEN YOU GET TRADE
24 LABOR. IF YOU NEED SPECIALIZED TRADE LABOR THEY
25 WILL COME ALL THE WAY FROM EL CENTRO,
26 CALIFORNIA; BLYTHE, ALL OVER. WE GET PEOPLE

1 FROM PHOENIX. IT JUST DEPENDS ON WHAT THE
2 DEMAND IS.

3 BECAUSE UNFORTUNATELY WE HAVE A LOT OF
4 BUILDING GOING ON IN THE AREA AND THERE IS
5 ALREADY A DEMAND. SO THAT WOULD JUST PLACE AN
6 ADDITIONAL IMPACT ON THE EXISTING DEMAND.

7 MR. ED PENTECOST: I WOULD THINK --

8 MS. GAIL GALLAGHER: IT'S KIND OF A
9 SHORTAGE.

10 MR. ED PENTECOST: I THINK IT COULD BE
11 A SEASONAL EFFECT, TOO. IF YOU HAD A LARGE
12 NUMBER OF PEOPLE COMING IN DURING THE WINTER
13 MONTHS, THEY MIGHT NOT HAVE ROOMS AVAILABLE AS
14 READILY AS THEY DO THIS TIME OF YEAR.

15 MS. GAIL GALLAGHER: THAT'S CORRECT.

16 MR. ED PENTECOST: OKAY. I THINK TIM
17 HAS GATHERED BASICALLY ALL OF THE INFORMATION I
18 HAVE LISTED HERE.

19 NEXT SLIDE.

20 IS THAT IT? OKAY. WE KIND OF GOT THE
21 CART BEFORE THE HORSE AND IT SHOWS YOU WHAT KIND
22 OF IMPACTS WE ADDRESS HERE.

23 LET'S GO, JIM. IF YOU CAN CLOSE THAT
24 ONE AND LET'S GO TO THE VISUAL V.E.W. SLIDE, AS
25 YOU GO UP HERE TO CLOSE. AND THEN WE OPEN ONE
26 CALLED V.E.W. LET'S GO DOWN.

1 OKAY. WE ASKED THE HELP OF THE BUREAU
2 OF LAND MANAGEMENT IN IDENTIFYING A FEW SITES IN
3 THIS AREA THEY THOUGHT WOULD BE SENSITIVE TO
4 VIEWERS. AND WE ALSO TRIED TO DO OUR HOMEWORK
5 AS WE WENT ALONG THE EXISTING ROUTE TO SEE WHERE
6 IT WOULD BE IMPORTANT.

7 WE LOOKED ESPECIALLY AT THE WILDERNESS
8 AREAS JUST TO SEE IF IT WOULD AFFECT ANYTHING.

9 KIRK LA GORY, ANOTHER TEAM MEMBER AND
10 I, WALKED INTO THE MUGGINS MOUNTAIN WILDERNESS
11 AREA. YOU COULD NOT SEE THE LINE FROM THE
12 SOUTHWEST ENTRANCE. I GUESS YOU HAVE TO HIKE
13 PRETTY MUCH UP TO THE NORTH SIDE TO SEE ANY OF
14 THE TOWERS.

15 SO WE DID NOT -- WE ARE NOT GOING TO
16 INCLUDE THAT IN OUR -- AS A SENSITIVE VIEWSHED
17 ANALYSIS AT THIS POINT.

18 BASICALLY VIEWING ZONES LESS THAN A
19 QUARTER OF A MILE -- QUARTER TO THREE, THEN
20 GREATER THAN THREE MILES. WE USED B.L.M.
21 GUIDELINES FOR DOING VISUAL ASSESSMENT.

22 NEXT SLIDE.

23 WE HAVE TAKEN PHOTOGRAPHS OF SENSITIVE
24 VIEWSHEDS ALONG THE PROPOSED RIGHTS-OF-WAY.

25 MICKEY SIEGEL AND DAMES & MOORE STAFF
26 HAVE A COMPUTER SOFTWARE THAT CAN TAKE AN AERIAL

1 PHOTO, THAT CAN TAKE U.S.G.S. TOPO FILES,
2 VIEWSHED FILES. AND YOU CAN PINPOINT WHERE YOU
3 ARE ON THOSE FILES.

4 YOU CAN RECREATE WHAT THE TOPOGRAPHY
5 WOULD BE LIKE AND WHAT -- FROM OUR NEGATIVES OF
6 THE COLOR PHOTOS WE TOOK SIMULATE WHAT OUR LINE
7 WOULD LOOK LIKE WITH THE NEW LINE THROUGH THE
8 AREA AND ALSO THE NEW LINE ADJACENT TO THE
9 EXISTING LINE.

10 SO WE WILL HAVE PROBABLY FOUR TO SIX OF
11 THOSE PHOTOS IN THE E.I.S. AND SOME TEXT TO GO
12 WITH IT.

13 ONE OF THEM WE THINK WILL BE -- I THINK
14 THE NEXT SLIDE MAY HAVE THAT.

15 THESE ARE THE AREAS WE ARE THINKING OF
16 NOW.

17 SIGNAL MOUNTAIN WILDERNESS AREA. WE
18 HAVE SCANNED THAT ONE ALREADY. WE HAVE THAT.

19 95 CROSSING. HIGHWAY 95 CROSSING THERE
20 ON THE LINE.

21 THE LAGUNA DAM AT THE COLORADO RIVER
22 CROSSING.

23 THE SOUTHWEST CORNER OF THE LITTLE
24 PICACHO PEAK WILDERNESS AREA.

25 LINK 7 WHERE IT CROSSES INTERSTATE 8.

26 THE IMPERIAL DUNES, INTERSTATE 8

1 CORRIDOR.

2 AND THEN SOUTHEAST OF PILOT KNOB.

3 SO I THINK WE ARE GOING TO HAVE TO SCAN
4 THOSE.

5 YES.

6 MS. ELLEN RUSSELL: ED, YOU DON'T
7 CONSIDER BETTY'S KITCHEN A SENSITIVE AREA?

8 MR. ED PENTECOST: THAT'S THE LAGUNA
9 DAM AREA, BETTY'S KITCHEN.

10 MS. ELLEN RUSSELL. OKAY.

11 MR. ED PENTECOST: ELLEN RAISED AN
12 INTERESTING POINT. I HAVE BEEN OUT THERE TWO OR
13 THREE TIMES NOW AND I DIDN'T THINK OF THAT. I
14 JUST DIDN'T SEE IT. BUT SHE SAID, GOSH, ALL YOU
15 HAVE TO DO IS PUT LIKE ONE OR TWO TREES THERE
16 AND THEY COULD BLOCK THE VIEWSHED FROM THE
17 VISITOR'S CENTER FOR MUCH OF THE TOWERS COMING
18 DOWN OVER THE HILL.

19 MS. ELLEN RUSSELL: YEAH, WE WERE
20 TALKING ABOUT THAT EARLIER. DO YOU WANT TO ADD
21 ANYTHING TO THAT?

22 MR. JOHN REID: NO, IT'S AN EXCELLENT
23 IDEA. YOU KNOW, OBVIOUSLY WE HAVE TO BE
24 CONCERNED ABOUT BEING TOO CLOSE TO THE DAM.
25 YOU KNOW, ANYTHING WITH THE ROOTS NEAR THE DAM
26 IS NOT GOING TO BE ACCEPTABLE.

1 BUT BASED ON THE CONDITIONS AND WHAT
2 WATER IS THERE AND AVAILABILITY --

3 MR. ED PENTECOST: WE CERTAINLY
4 WOULDN'T RECOMMEND SALT CEDAR. WHAT WOULD YOU
5 THINK, THEN, A COTTONWOOD?

6 MR. JOHN REID: YEAH, A COUPLE BIG
7 COTTONWOODS WOULD BE GREAT. IT'S WORTH LOOKING
8 AT. IT'S A GREAT IDEA.

9 MR. ED PENTECOST: I CAN'T SEE ANY OF
10 THAT TYPE OF SCREENING THAT WOULD WORK BY THE
11 SIGNAL MOUNTAIN AREA.

12 HIGHWAY 95 --

13 MR. JOHN REID: TIM SHOULD USE
14 TOPOGRAPHY AS MUCH AS POSSIBLE IN THOSE AREAS.

15 MR. ED PENTECOST: ON THE NEW AREA
16 CERTAINLY WHERE THERE IS NO WATER, USE
17 TOPOGRAPHY TO HIDE IT, IF YOU CAN.

18 I THINK THAT'S IT ON VISUAL.

19 ANY COMMENTS? MAYBE WE OUGHT TO GO
20 BACK JUST TO THAT LIST TO SEE IF ANYBODY CAN
21 THINK OF ANOTHER SITE.

22 IS THERE A PREVIOUS? NO. A SHORT
23 SHOW, SO WE WILL GO BACK.

24 YOU HAVE SEEN THE MAPS OF WHERE THE
25 PROPOSED MAP IS TO GO. WE TALKED ABOUT THE
26 ALTERNATIVES.

1 CARROLL, WHAT ABOUT ON THE FORT YUMA
2 RESERVATION? IS THERE ANY LOCATION THERE THAT
3 YOU CAN THINK OF? YOU MIGHT WANT TO TALK ABOUT
4 THAT TOMORROW IF THERE IS ANYTHING THERE.

5 NOW, THIS POINT HERE, JIM CLOUD
6 GRACIOUSLY TOOK PICTURES FOR US DOWN AROUND THE
7 FELICITY AREA THERE, THE CROSSING OF WHERE LINK
8 7 WOULD GO BOTH NORTH AND SOUTH.

9 AND, DEBBIE, YOUR PICTURES TURNED OUT
10 REAL WELL. WE HAD A FELLOW DO SOME GOOD
11 SCANNING ON THOSE ON THE 95 CROSSING.

12 YES, CARROLL?

13 MR. CARROLL HARVIER: I HAVE ONE
14 QUESTION.

15 THE FELICITY AREA. HAVE YOU CONTACTED
16 THE PEOPLE OUT THERE ABOUT THE PROPOSED ROUTE?

17 MR. ED PENTECOST: JIM, I BELIEVE, HAS
18 TALKED WITH THEM. RIGHT, JIM?

19 MR. JIM CLOUD: NO, I HAVE NOT YET.

20 MR. ED PENTECOST: YOU HAVE NOT?

21 MR. CARROLL HARVIER: I ASKED BECAUSE
22 WE HAVE -- WE -- THAT IS, THE TRIBE -- HAVE BEEN
23 DEALING WITH THEM. THEY WANTED TO BUILD A HUGE
24 SUBDIVISION OUT IN THAT AREA. AROUND 10,000
25 HOUSES THEY WERE PLANNING ON PUTTING IN OUT
26 THERE IN THAT AREA OF FELICITY RIGHT BEHIND THE

1 CENTER OF THE WORLD.

2 AND THE REASON WE HAVE BEEN DEALING
3 WITH THEM IS BECAUSE OF THEIR WATER. THEY WERE
4 GOING TO -- THEY ARE PLANNING ON SINKING WELLS
5 AND IT WILL GO INTO OUR AQUIFER. AND THAT'S WHY
6 WE HAVE BEEN -- DEALING WITH THEM IS A NICE WAY
7 TO PUT IT.

8 BUT I JUST WONDERED BECAUSE I SEE WHERE
9 YOUR MAP ON THE OPEN-ENDED CORRIDORS THAT YOU
10 HAVE ON THERE, THE AREA WEST OF OUR RESERVATION
11 WOULD BE GOING RIGHT INTO THAT IF THEY ARE
12 PLANNING. I DON'T KNOW IF --

13 MR. ED PENTECOST: I AM NOT SURE HOW TO
14 ADDRESS THAT OTHER THAN JUST IN LAND USE SAY
15 THAT THERE ARE PLANS TO BUILD SOMETHING LIKE
16 THAT. I AM SURE ECONOMICS WILL DICTATE HOW
17 QUICKLY PEOPLE WOULD BUILD HOUSES OUT THERE.

18 MR. CARROLL HARVIER: WELL, I SAW
19 HEUBERGER'S NAME IN HERE, AND HE IS ONE OF THE
20 GENTLEMEN THAT I WONDERED -- HE IS NOT HERE.
21 BUT I WONDER WHAT THEIR REACTIONS WERE TO THE
22 POWER LINE, AS WELL.

23 MR. ED PENTECOST: I DON'T THINK WE
24 HAVE GOTTEN ANY COMMENTS -- ANY WRITTEN COMMENTS
25 FROM ANYBODY OUT THERE.

26 MS. ELLEN RUSSELL: NO, JURG

1 HEUBERGER -- MR. HEUBERGER WAS AT OUR SCOPING
2 MEETING IN THE FALL, AND WE HAVE NOT HAD ANY
3 FURTHER CONTACT WITH HIM.

4 MR. ED PENTECOST: E.M.F. IS THE NEXT
5 ONE TO COVER, SO LET'S GO AHEAD AND DO THAT.

6 ONE OF THE DIFFICULT PROBLEMS IN A LINE
7 OF THIS LENGTH IS TO TRY TO FIND WHERE ALL THE
8 RESIDENCES ARE. 180 MILES, SOME OF WHICH YOU
9 CAN'T REACH TOO EASILY FROM THE ROAD.

10 I THINK THE NEAREST TWO RESIDENCES WE
11 FOUND TO THE EXISTING LINE, ONE WAS AT THE
12 COTTON GIN AT THE CORNER OF DATELAND ROAD AND
13 HYDER ROAD, THAT INTERSECTION.

14 THEN THERE WAS ANOTHER NEAR THE JOJOBA
15 PLANTATIONS NORTH OF AGUA CALIENTE.

16 JIM, YOU AND I SAW A MOBILE HOME THAT
17 SEEMED TO BE OCCUPIED THAT WAS JUST 150 FEET
18 SOUTH OF THE EXISTING LINE.

19 SO WHAT WE HAVE DONE IS TO LOOK AT THE
20 AERIAL PHOTOS NOW AND GO THROUGH AND IDENTIFY
21 WHERE EVERY STRUCTURE IS OUT TO A MILE FROM THE
22 EXISTING LINE AND THEN ALONG THE LINKS 2, 6 AND
23 7.

24 AND WHAT'S TYPICALLY DONE IN OUR E.I.S.
25 IS WE TALK ABOUT THE NEAREST RESIDENCE TO THE
26 LINE AND WHAT WOULD BE THE MAGNETIC OR ELECTRIC

1 FIELD STRENGTH ALONG THE LINE.

2 IF YOU HAVE BEEN KEEPING UP WITH THE
3 NEWS YOU KNOW THAT D.O.E. JUST CAME OUT WITH A
4 RECOMMENDATION OF NO ADDITIONAL RESEARCH BE
5 FUNDED. FEDERAL FUNDING. BECAUSE THEY COULD
6 NOT SEE A CAUSE/EFFECT RELATIONSHIP BASED ON THE
7 EPIDEMIOLOGICAL STUDIES AND THE LABORATORY
8 EFFECTS RESEARCH.

9 AND THEN ONE OF MY COLLEAGUES GAVE ME
10 AN INTERNET NEWS ARTICLE ABOUT A LARGE BERKELEY
11 LAB SCIENTIST THAT HAD FALSIFIED DATA IN
12 LABORATORY STUDIES. AND RIGHT AFTER THIS
13 INCIDENT -- HE IS CURRENTLY UNDER INVESTIGATION.
14 BUT RIGHT AFTER THAT IT LEAD TO A LOT OF
15 ADDITIONAL STUDY BECAUSE IT WAS SHOWING CAUSE
16 AND EFFECT WHEN THERE REALLY WASN'T.

17 SO IT CONTINUES TO BE CONTROVERSIAL IN
18 THE PRESS. ARE THERE ELECTRIC FIELD EFFECTS,
19 MAGNETIC FIELD EFFECTS.

20 PERSONALLY I WOULD THINK THERE PROBABLY
21 WOULD BE MORE EXPOSURE SITTING IN FRONT OF ONE
22 OF THOSE MACHINES ALL DAY.

23 BUT WE STILL DOCUMENT WHAT THE LEVELS
24 WILL BE. AND AS I MENTIONED THIS MORNING, WE
25 HAVE THE B.P.A. MODEL WE ARE USING. IT'S BEEN
26 TESTED AND TRIED. IT'S A GOOD ONE.

1 SO MANJULA PFINGSTON OF MY TEAM WILL BE
2 PRODUCING THOSE RESULTS.

3 AND THEN WE ALWAYS HAVE A SECTION THE
4 D.O.E. LIKES TO SEE THAT REVIEWS RECENT
5 LITERATURE, WHAT SOME OF THE FINDINGS ARE. AND
6 THUS FAR EVERY ONE I HAVE SEEN HAS BEEN NO
7 CONCLUSIONS THAT CAN BE DRAWN ON POSSIBLE
8 EFFECTS. BUT ONE DOES NEED TO ADDRESS IT.

9 ONE OF THE THINGS THAT MANJULA'S
10 STRUGGLING WITH A LITTLE BIT HERE IS HAVING THE
11 TWO AREAS WHERE THE TWO LINES -- THE TWO
12 CORRIDORS WILL OVERLAP A LITTLE BIT AND USING
13 THE RIGHT MEASUREMENTS TO RUN THE MODEL.

14 BUT I THINK SHE HAS BEEN TALKING TO YOU
15 ABOUT THAT, ROD, AND SHE HAS HAD PRETTY GOOD
16 LUCK WITH IT SO FAR.

17 NEXT SLIDE.

18 BASICALLY WHAT I JUST MENTIONED TO YOU.
19 ON ADDITIONAL POINTS, THE CORONA EFFECTS; NOISE,
20 OZONE PRODUCTION, THAT WILL BE PART OF THAT
21 ANALYSIS, AS WELL.

22 ANY QUESTIONS ABOUT ELECTRIC AND
23 MAGNETIC FIELDS?

24 YES, GAIL?

25 MS. GAIL GALLAGHER: GAIL GALLAGHER,
26 YUMA COUNTY.

1 OUR ZONING ENFORCEMENT OFFICERS HAVE
2 BEEN OUT THERE RECENTLY. AND SO IF SOMEONE FROM
3 YOUR STAFF WANTS TO TALK TO OUR ZONING
4 ENFORCEMENT OFFICERS, THE NUMBER OF RESIDENCES
5 THAT ARE OCCUPIED OUT IN THAT AREA, THEY WOULD
6 HAVE THAT INFORMATION.

7 MR. ED PENTECOST: THAT WOULD BE GREAT.
8 NOW THAT WE HAVE A COUNT ON BUILDINGS WITHIN
9 THAT ONE-MILE CORRIDOR, IT MIGHT BE THE TIME TO
10 DO THAT.

11 LET ME GIVE YOU MY CARD SO WE CAN KEEP
12 IN CONTACT ON THAT. WE ARE JUST AT THE POINT
13 NOW WHERE WE COULD DO IT.

14 WE OFTEN FIND ON THESE E.I.S.'S THAT
15 THERE IS A GROUP OF PEOPLE THAT OBJECT TO A NEW
16 LINE IF THERE IS ALREADY A LINE THERE AND THEY
17 ARE GOING TO EITHER UPGRADE IT OR THEY ARE GOING
18 TO BUILD A LINE ALONG IT. THERE'S ALL KINDS OF
19 HOMES RIGHT ADJACENT TO THE CORRIDOR. AND YOU
20 WONDER IF THEY WERE THERE BEFORE THE FIRST LINE
21 OR THEY WERE BUILT AFTER.

22 MANY TIMES THEY HAVE BEEN BUILT AFTER
23 THAT LINE WAS ALREADY THERE. WHICH, YOU KNOW,
24 THERE'S PROBABLY A VARIETY OF REASONS FOR THAT.
25 ONE BEING SOMETIMES THE VALUES OF LAND ARE A
26 LITTLE LESS. BUT -- AFTER THE LINE'S THERE.

1 AND WE RUN INTO THAT WITH NOISE, ALSO.

2 OKAY. I GUESS WE ARE RUNNING A LITTLE
3 AHEAD OF TIME, BUT THAT'S PROBABLY OKAY WITH
4 EVERYONE. LET'S GO AHEAD AND TALK ABOUT THE
5 MITIGATION, THEN WE CAN WRAP IT UP A LITTLE
6 EARLY HERE.

7 I TOOK A LOOK AT YOUR LICENSE FOR THE
8 EXISTING LINE AND PULLED OUT JUST A FEW
9 EXAMPLES, ROD, THAT WERE IN THERE, AND I THOUGHT
10 WE COULD GO AND TALK FROM HERE.

11 AND IF PEOPLE HAVE SPECIFIC ITEMS THEY
12 WANT US TO EITHER ADD OR TAKE A LOOK AT THE
13 POSSIBILITY OF ADDING THEM AS MITIGATION, THIS
14 IS THE TIME TO DO IT.

15 WHILE WE SAY NO NEW ACCESS ROADS IN
16 KIND OF THE CLASSICAL SENSE OF ACCESS ROADS OR
17 ACCESS BRIDGES IS CORRECT, WE ALSO TALKED ABOUT
18 THE NEED TO MAYBE GO ANOTHER 150 FEET HERE OR
19 THERE FROM AN EXISTING ROAD TO GET IN THERE. SO
20 WE KNOW THERE WILL BE A LITTLE DISTURBANCE
21 THERE.

22 I AM NOT SURE THIS ONE WILL HOLD UP.
23 SO, DAVE, BASED ON YOUR COMMENT WE WILL PROBABLY
24 WANT TO MAYBE REWORD THAT ONE OR RETHINK THAT
25 ONE ABOUT RESEEDING.

26 DID I HAVE ANOTHER SLIDE OR IS THAT IT?

1 I HAVE SAID IN AG LANDS -- WE WILL HAVE
2 TO ASSUME THAT -- WE WILL HAVE TO ANALYZE THE
3 IMPACTS. SO WE ARE GOING TO ASSUME THAT THE
4 PROPOSED ROUTE IS A VIABLE ALTERNATE ROUTE. WE
5 WILL GO THROUGH AG LANDS AND WE WILL SAY THERE
6 THAT OUR PLACEMENT WILL BE KEPT TO FIELD
7 BOUNDARIES WHERE POSSIBLE.

8 EDUCATE THE WORK FORCE.

9 I THINK THE IMPORTANCE OF THE RESOURCE,
10 HOW TO RECOGNIZE T & E SPECIES -- MAYBE THAT'S A
11 LITTLE TOO MUCH TO EXPECT. BUT THE SIGNS MAYBE
12 TO LOOK FOR IF YOU ARE GETTING NEAR A CULTURAL
13 RESOURCE SITE OR A T & E SPECIES HABITAT. THEN
14 THIS MAY BE SOME KIND OF OVERVIEW ON WHAT THE
15 FEDERAL AND STATE LAWS REQUIRE.

16 MS. ELLEN RUSSELL: DO YOU HAVE ANY
17 EXPERIENCE OF HOW EFFECTIVE IT IS JUST IN TRYING
18 TO TEACH YOUR WORK FORCE HOW TO RECOGNIZE THESE
19 SITES?

20 MR. ED PENTECOST: I DO NOT. I DO NOT.
21 MANY OF THE B.L.M.ER'S HAVE BEEN AROUND LONG
22 ENOUGH TO SEE THAT IMPLEMENTED.

23 YES, DEBBIE.

24 MS. DEBBIE DEBOCK: DEBBIE DEBOCK.

25 WE HAVE USED IT WHEN I WAS IN THE
26 HAVASU RESOURCE AREA. AND WHEN WE WERE THERE WE

1 HAD A PIPELINE GO THROUGH.

2 WE HAD SPECIFIC PEOPLE, ENVIRONMENTAL
3 MONITORS OUT ON THE GROUND THAT HAD KNOWLEDGE
4 ABOUT T & E SPECIES, CULTURAL SITES AND THAT
5 WERE TRAINED IN THAT. AND THEY ALSO TRAINED A
6 LOT OF THE WORKERS. AND LIKE ON HANDLING THE
7 DESERT TORTOISE, THINGS LIKE THAT. AND IT'S
8 WORKED OUT --

9 MS. ELLEN RUSSELL: SO IT'S POSITIVE.

10 MS. DEBBIE DEBOCK: IT IS POSSIBLE, IT
11 DOES WORK. AND THERE ARE SPECIFIC PEOPLE THAT
12 ARE CONSULTANTS THAT HIRE OUT TO DO THAT THAT
13 ARE JUST FOR MONITORING CONSTRUCTION PROJECTS.

14 MR. ED PENTECOST: SO YOU FELT THAT WAS
15 PRETTY SUCCESSFUL?

16 MS. DEBBIE DEBOCK: I THOUGHT THAT WAS
17 A LOT BETTER THAN EXPECTING SOMEBODY WITH NO
18 KNOWLEDGE TO TRY TO LEARN SOMETHING AND GO OUT
19 ON THE GROUND.

20 BUT THESE GUYS WERE WELL EDUCATED AND
21 HAD DONE THIS ON A VARIETY OF JOBS.

22 MR. ED PENTECOST: BOMA, YOU HAD A
23 COMMENT.

24 MR. BOMA JOHNSON: I WOULD SUPPORT THAT
25 SAYING THAT IT'S NOT REALLY PRACTICAL TO TRY TO
26 EDUCATE THE ENTIRE CREW OUT THERE.

1 MR. ED PENTECOST: YEAH.

2 MR. BOMA JOHNSON: THEIR MOTIVATION FOR
3 BEING THERE IS OFTEN TO GET THE PAYCHECK.

4 MR. ED PENTECOST: UH-HUH.

5 MR. BOMA JOHNSON: YOU KNOW, THEY ARE
6 NOT OBVIOUSLY THAT CONCERNED. THE BULLDOZER
7 DRIVER OR WHATEVER THEY HAVE, THEY ARE NOT
8 OBVIOUSLY ATTUNED TO ALL THAT SORT OF THING.

9 SO IT'S BETTER TO HAVE A TRAINED PERSON
10 WHO IS MONITORING THE WORK FORCE AND IS ABLE TO,
11 YOU KNOW, BE AWARE OF WHAT IMPACTS ARE GOING ON
12 AND BEING ABLE TO STEER THEM CLEAR OF CERTAIN
13 THINGS.

14 MR. ED PENTECOST: ROD, YOU ARE
15 SUPPOSED TO BE A CONTRIBUTOR TO THIS PART OF THE
16 AGENDA ALSO, AND I CERTAINLY DON'T WANT TO TAKE
17 THAT PRIVILEGE AWAY FROM YOU.

18 DO YOU HAVE SOME THOUGHTS HERE?

19 MR. ROD LEAS: I WAS JUST ABOUT TO
20 LEAVE.

21 MR. ED PENTECOST: I DIDN'T MEAN FOR
22 YOU TO THINK MAYBE THIS IS AN ALL-INCLUSIVE
23 LIST. THIS IS SOME OF THE KINDS OF MITIGATION I
24 WOULD SEE GOING IN THERE.

25 MR. ROD LEAS: ONE OF THE THINGS THAT
26 WE GOT THIS MEETING FOR -- ONE OF THE PURPOSES

1 OF THIS MEETING TODAY IS SO THOSE OF YOU WHO ARE
2 AWARE OF CONDITIONS OR SITUATIONS OR THINGS THAT
3 EXIST OUT IN THE FIELD THAT WE DON'T KNOW
4 ANYTHING ABOUT, CAN WAKE US UP TO THE FACT THAT
5 SOMETHING IS THERE.

6 WE HAVE TALKED TO THE QUECHAN PEOPLE
7 ABOUT THINGS. ESPECIALLY ON THE GROUND THAT
8 EXISTS ON THE NORTH SIDE OF THEIR RESERVATION.
9 THERE WE HAVE TO BE AWARE OF.

10 I WANT TO REITERATE SEVERAL THINGS.
11 ONE IS THAT WE WILL -- THIS IS A MULTI-STEP
12 PROCESS, WHILE ATTEMPTING TO MAKE IT AS NEAT AS
13 POSSIBLE.

14 ONCE WE HAVE IDENTIFIED A CENTERLINE,
15 WHICH WE PRETTY MUCH WILL HAVE NOW, WE WILL AT
16 SOME POINT IN TIME BEGIN TO SPOT OURS. AND AT
17 THAT POINT IN TIME WE WILL COME BACK TO THOSE OF
18 YOU PEOPLE WHO HAVE SPECIALIZED KNOWLEDGE AND
19 SAY HERE IS WHERE WE ARE THINKING OF PUTTING IN
20 THE POWER LINE. DO YOU HAVE A PROBLEM WITH
21 THIS.

22 TO THE EXTENT THAT -- THERE MAY BE A
23 LOT OF THINGS. WE TALKED TO THE QUECHAN ABOUT
24 HIRING THEIR PEOPLE IN RUNNING OUT THERE.

25 TOM IN THE BACK OF THE ROOM FROM THE
26 B.L.M. TALKED A LITTLE WHILE AGO ABOUT HIRING AN

1 ARCHEOLOGIST. WE MAY WIND UP DOING THAT. BUT
2 LET ME SAY A COUPLE THINGS ABOUT THAT.

3 NO MATTER WHAT WE DO, AS BOMA WELL
4 KNOWS, THERE IS ALWAYS THE BULLDOZER OPERATOR
5 WHO JUST BLOODY WELL DOESN'T GIVE A DAMN, AND HE
6 IS GOING TO DO WHAT HE WANTS TO DO.

7 AND WE CAN'T AFFORD TO OR WE DON'T EVEN
8 HAVE ENOUGH PEOPLE TO HAVE ONE INSPECTOR PER ONE
9 EMPLOYEE ON A CONSTRUCTION COURSE. THERE IS
10 JUST NO WAY TO DO IT.

11 SO WHAT WE HAVE TO DO IS TO THE EXTENT
12 POSSIBLE EDUCATE THE CONSTRUCTION CREW. OR AT
13 LEAST MAKE THEM AWARE THAT THERE ARE CERTAIN
14 THINGS TO BE AWARE OF.

15 AND WE WILL HAVE FIELD INSPECTORS. AND
16 WE WILL HAVE PEOPLE PREPARED TO MITIGATE THINGS.

17 BUT I WILL SIT RIGHT HERE RIGHT NOW AND
18 SAY THINGS WILL HAPPEN. THINGS JUST DO HAPPEN.
19 WE WILL NEVER ATTEMPT TO GO OUT THERE AND
20 WILLFULLY OR CONSCIOUSLY MAKE A MESS OF THINGS.
21 BUT IT WILL HAPPEN.

22 THE BULLDOZER OPERATOR WHO DOESN'T GIVE
23 A DARN WILL BLADE SOMETHING UP. THE TRUCK
24 DRIVER WHO DOESN'T GIVE A DARN WILL DRIVE OVER
25 THE DESERT RATHER THAN STICK TO THE ROAD.

26 HAVING DONE THAT IN THIS ENVIRONMENT,

1 IT'S HARD TO CLEAN UP THE MESS. TO THE EXTENT
2 WE CAN, WE WILL. WE CAN'T REVEGETATE A CACTUS
3 THAT'S BEEN SMOOSHED. BUT WE WILL DO WHAT WE
4 CAN.

5 WE WILL WORK BOTH WITH THE -- LIKE YOU
6 SAY, WITH THE INDIANS, WITH THE B.L.M. AND WITH
7 ANYBODY ELSE WHO KNOWS WHERE THERE IS SOMETHING.
8 BUT HAVING WORKED WITH ALL THOSE PEOPLE I STILL
9 ANTICIPATE THAT WE WILL MISS THINGS. IT JUST IS
10 WHAT HAPPENS IN A MAJOR CONSTRUCTION PROJECT.

11 THIS IS A MAJOR CONSTRUCTION PROJECT.
12 MILLIONS OF DOLLARS, 180 MILES OF LINE. THERE
13 ARE THREE SUBSTATIONS, THERE ARE THREE YARDS OF
14 SOME KIND INVOLVED IN THIS KIND OF THING. THERE
15 MAY BE OTHER THINGS THAT DEVELOP AS THE PROJECT
16 GOES ALONG.

17 WITH A PROJECT OF THAT MASSIVE A
18 NATURE, STRUNG FROM BASICALLY ALMOST PHOENIX TO
19 MEXICALI, YOU CAN'T BE EVERYWHERE WATCHING
20 EVERYBODY ALL THE TIME. WE WILL DO OUR BEST.
21 BUT I JUST WANT TO SAY RIGHT NOW WE CAN'T
22 PREVENT THINGS FROM HAPPENING.

23 MR. DIRK ANDREAS: WELL, ROD -- DIRK
24 ANDREAS FROM N.R.G.

25 THE ONE THING WE CAN DO AND WE WILL DO
26 IS WE WILL PUT A LOT OF THAT ON THE

1 SUBCONTRACTORS.

2 I WANT TO MAKE THAT CLEAR THAT WE WILL
3 PUT THE APPROPRIATE PENALTIES AGAINST THE
4 CONTRACTOR. IF THERE ARE SPECIFIC THINGS THAT
5 PEOPLE WANT, LET US KNOW. WE WILL PUT THOSE
6 THINGS IN THE CONTRACT TO TRY AND PUT THE
7 INCENTIVE ON THE CONTRACTOR TO MAKE SURE THAT
8 HIS PEOPLE PERFORM. SO THAT HIS PEOPLE
9 UNDERSTAND THAT IF THEY DO THINGS OF
10 NEGLIGENCE -- IT'S ONE THING IF IT'S AN
11 ACCIDENT. BUT IF IT'S NEGLIGENT BEHAVIOR WE
12 HAVE TO HAVE THE ABILITY TO CONTROL THE PROJECT.
13 IF THAT MEANS THAT CERTAIN PEOPLE MAY NOT DRIVE
14 A BULLDOZER THE NEXT DAY, THAT'S WHAT WE HAVE TO
15 DO.

16 SO WE DO HAVE TO MAINTAIN CONTROL.

17 MR. ROD LEAS: BUT THE POINT IS THAT
18 WHEN THE ACCIDENT HAPPENS, WHETHER IT IS PURELY
19 AN ACCIDENT OR A WILLFUL SOMETHING, ONCE IT'S
20 HAPPENED, IT'S HAPPENED, AND THERE'S ONLY SO
21 MUCH WE CAN DO TO MAKE THAT RIGHT AFTER THAT.

22 MR. JOHN REID: JOHN REID WITH THE
23 B.L.M.

24 I WOULD LIKE TO ABSOLUTELY THANK YOU
25 FOR YOUR HONESTY. YOU KNOW, IT'S A RARELY-HEARD
26 THING FOR SOMEBODY TO STAND UP AND SAY THERE

1 WILL BE ACCIDENTS, IT'S MORE THAN LIKELY TO
2 HAPPEN. I WOULD LIKE TO THANK YOU FOR THAT.
3 THE OTHER THING I WOULD LIKE TO SAY IS
4 THAT YOU SAID YOU ARE GOING TO SHOW WHERE THE
5 PROBABLE TOWER LOCATIONS ARE AND SEE IF THERE IS
6 ANYTHING THERE.

7 I GUESS WHEN I LIVED IN MICHIGAN I WAS
8 A TREE HUGGER, SO OUT HERE I MUST BE A PEBBLE
9 LOVER OR SOMETHING.

10 MR. DIRK ANDREAS: YOU ARE NOT A CACTUS
11 HUGGER.

12 MR. JOHN REID: DON'T GO THERE. BUT
13 THERE IS SOMETHING EVERYWHERE.

14 MR. DIRK ANDREAS: SURE.

15 MR. JOHN REID: YOU KNOW. AND
16 SOMETIMES IT SOUNDS ALMOST LIKE IT'S THE GREAT
17 BOLOGNA SANDWICH DESERT WITH A FEW ISOLATED
18 SPOTS OF GOOD STUFF.

19 AND WE LIVE HERE AND IT'S REALLY NOT
20 THAT WAY. IT'S ALL GOOD STUFF. THERE'S
21 IMPORTANT STUFF EVERYWHERE. AND I WOULD JUST
22 LIKE TO SAY THANK YOU.

23 MR. ROBERT EVANS: LET ME JUST
24 INTERSPERSE SOMETHING.

25 WE PREPARED A PRESIDENTIAL PERMIT
26 APPLICATION. AND IN THAT APPLICATION THERE WAS

1 A SECTION THAT DEALT WITH AN ENVIRONMENTAL
2 SUMMARY OF THE PROPOSED LINE LOCATION AND DEALT
3 WITH THE PROPOSED ROUTE. BUT IN HERE IT ALSO
4 CONTAINS SOME MITIGATION MEASURES FOR DIFFERENT
5 KINDS OF THINGS.

6 AND WE ARE ON RECORD AS AT LEAST DOING
7 THESE THINGS. SO IN ADDITION TO THE THINGS THAT
8 ARE UP THERE ON THE NONINCLUSIVE LIST, THERE ARE
9 SOME OTHER THINGS, AS WELL.

10 AND THIS IS AVAILABLE ON THE WEB SITE,
11 I THINK, IF ANYONE NEEDS A COPY. WE PASSED OUT
12 COPIES BEFORE. BUT IF ANYONE NEEDS ADDITIONAL
13 COPIES, YOU CAN CERTAINLY LET US KNOW AND WE
14 WILL GET THEM FOR YOU.

15 BUT THAT'S -- THERE IS A LENGTHY
16 DISCUSSION ON THINGS THAT WE WILL DO IN THIS
17 DOCUMENT, AS WELL.

18 MR. ROD LEAS: THE OTHER THING I WOULD
19 SAY -- THAT WAS TOLD THE QUECHAN PEOPLE IN
20 MEETINGS I HAVE HAD WITH THEM. AND I GUESS I
21 HAVE SAID IT TO OTHERS. I DON'T KNOW WHO I HAVE
22 SAID IT TO AND WHO I HAVEN'T. I TEND TO BABBLE
23 A LOT TO A LOT OF PEOPLE AND I DON'T TEND TO
24 ALWAYS REMEMBER.

25 BUT UNLESS I FALL DOWN A BIG HOLE OR
26 GET RUN OVER BY A BIG RED BUS I PROBABLY WILL BE

1 AROUND THROUGH THE CONSTRUCTION OF THIS THING.
2 AND YOU ALL KNOW WHAT I LOOK LIKE.
3 AND I AM THE GUY WHO WILL PUT A STOP TO THINGS
4 THAT AREN'T HAPPENING THE WAY THEY SHOULD BE
5 HAPPENING. AND I WILL BE THE PERSON WHO VARIOUS
6 PEOPLE WILL COME LOOKING FOR WHEN SOMETHING GOES
7 WRONG. SO --

8 MS. ELLEN RUSSELL: LET ME TURN ON THE
9 LIGHTS SO THEY CAN GET A BETTER LOOK AT YOU.

10 MR. ROD LEAS: THANKS, ELLEN.

11 I DON'T LIKE BEING YELLED AT OR SHOT AT
12 OR ANYTHING LIKE THAT. BUT PART OF MY PURPOSE
13 FOR BEING ON THIS JOB IS TO MAKE SURE THAT IT
14 GETS DONE RIGHT. OR AS RIGHT AS IT CAN BE DONE
15 WITH ALL HONEST INTENT.

16 I HAVE BEEN ON A LOT OF CONSTRUCTION
17 PROJECTS. PIPELINES, POWER LINES AND OTHER
18 THINGS. AND TO SOME EXTENT I HAVE BEEN ABLE TO
19 HELP DO THINGS RIGHT. AND WHEN I AM RESPONSIBLE
20 I WILL TAKE EXTRA SPECIAL CARE TO MAKE SURE THAT
21 HOPEFULLY EVERYTHING GETS DONE AS RIGHT AS IT
22 POSSIBLY CAN.

23 MR. ROBERT EVANS: I CAN ALSO ASSURE
24 YOU THAT THE PRESIDENT OF N.R.G. IS SOMEONE THAT
25 I HAVE KNOWN FOR A LONG TIME.

26 MR. ROD LEAS: HE KNOWS ME, TOO.

1 MR. ROBERT EVANS: AND IS ABSOLUTELY
2 INTENT ON DOING THINGS THE RIGHT WAY. AND WE
3 HAVE A HISTORY OF THAT. AND WE ARE GOING TO
4 FULFILL THAT HISTORY.

5 MR. JOHN SWENSON: THE ALTERNATE YOU
6 HAVE GOING THROUGH Y.P.G., THAT'S NOT ALONG THE
7 ALREADY EXISTING RIGHT-OF-WAY. SO THAT'S NEW
8 TERRITORY.

9 MR. ROD LEAS: BRAND NEW TERRITORY.

10 MR. JOHN SWENSON: I AM ASSUMING AT
11 THAT LEVEL THEN YOU ARE WORKING WITH Y.P.G. ON
12 THE INDIAN SITES.

13 MR. ROD LEAS: YOU BET.

14 MR. JOHN SWENSON: BECAUSE THEY HAVE A
15 GOOD HANDLE ON THAT.

16 MR. ROD LEAS: YEAH. WE HAVE BEEN
17 WORKING WITH PEOPLE ON THERE. IT'S SHOWN AS A
18 STRAIGHT LINE ON THIS MAP BECAUSE THAT'S THE
19 BEST WAY TO SHOW IT. A LOT OF THIS THING IS
20 SHOWING A STRAIGHT LINE, BUT WHEN YOU GO OUT
21 THERE IT'S NOT EXACTLY STRAIGHT.

22 MR. ED PENTECOST: I WOULD LIKE TO ASK
23 KIND OF A FAVOR OF THE B.L.M. AND THE OTHER GAME
24 AND FISH REPRESENTATIVES HERE.

25 ONE OF THE THINGS THAT SOMETIMES IS A
26 GREAT WAY TO SOLVE A PROBLEM IS SEASONAL CHANGE

1 IN CONSTRUCTION. AVOID DOING SOMETHING DURING
2 DECEMBER, JANUARY, FEBRUARY OR DOING IT IN THE
3 SUMMER MONTHS.

4 RON, FOR EXAMPLE, KNEW THAT YOU COULD
5 HAVE HEAVY RAINS IN JUNE AND JULY OUT HERE IN
6 THE LAGUNA MOUNTAINS. IF YOU ARE OUT THERE
7 DURING THAT TIME YOU ARE GOING TO HAVE THE
8 GREATEST POTENTIAL FOR EROSION.

9 IT WOULD BE NICE TO COMPILE ALL THOSE.
10 IF WE HAD -- YOU KNOW, IF WE HAD THE BEST OF ALL
11 WORLDS HERE IS WHEN WE WOULD AVOID -- LIKE THE
12 SOUTHWESTERN WILLOW FLYCATCHER -- PROBABLY
13 AVOID -- IF THEY DO OCCUR IN THE LAGUNA DAM
14 AREA, AVOID THE NESTING PERIOD THAT'S, WHAT,
15 APRIL, MAY, JUNE, JULY? THOSE KINDS OF THINGS.

16 I GUESS I WOULD LIKE TO SEE A LIST KIND
17 OF COMPILED, DEBBIE AND LUCAS, ON AS MANY LISTS
18 THAT YOU CAN THINK OF. AND THERE'S AGRICULTURAL
19 RESOURCES.

20 BUT THERE IS A BIG GAME MOVEMENT
21 BETWEEN WINTER AND SUMMERTIME. BIG GAME
22 MOVEMENT LIKE THE DESERT BIG HORN SHEEP OFF THE
23 YUMA PROVING GROUND. IS THERE A TIME OF YEAR
24 WHEN THEY WOULD BE IN THE LAGUNA MOUNTAINS AND
25 MORE LIKELY BE DISTURBED FROM CONSTRUCTION.

26 AND THEN ROLL ALL THAT TOGETHER AND WE

1 CAN SAY, ALL RIGHT, WHAT CAN WE AVOID, WHAT
2 CAN'T WE BY SEASONAL ADJUSTMENTS.
3 IN SOME RESPECT YOU WOULD HAVE SOME
4 LEVERAGE. YOU MIGHT NOT START FROM POINT "A" TO
5 POINT "B" AND JUST GO RIGHT DOWN THE LINE.

6 MR. ROD LEAS: NO, THIS LINE WILL BE
7 BUILT IN SEGMENTS. IT WILL PROBABLY BE THREE,
8 FOUR, FIVE CONSTRUCTION CREWS ALL OUT THERE
9 BUILDING AT THE SAME TIME.

10 MR. ED PENTECOST: WE MIGHT ROLL THAT
11 ALL TOGETHER AND SEE HOW IT COMES OUT AND WHAT
12 WE CAN DO.

13 FRANK DOUGLAS WITH THE P.N.M. PROJECT,
14 ARE YOU GUYS THINKING IN THOSE TERMS WITH YOUR
15 MITIGATION FOR THE PROJECT?

16 MR. FRANK DOUGLAS: WE WILL BE. WE
17 LITERALLY JUST FINISHED SCOPING LAST WEEK,
18 SO --

19 MS. ELLEN RUSSELL: THERE ARE A LOT OF
20 PEOPLE IN THIS ROOM THAT DON'T KNOW THAT THERE
21 IS ANOTHER PROJECT OF ABOUT THE SAME SIZE ON THE
22 EASTERN SIDE OF ARIZONA ALSO STARTING AT PALO
23 VERDE SWITCH YARD CROSSING THE BORDER IN THE
24 VICINITY OF NOGALES. ABOUT 200 MILES OF
25 TRANSMISSION. A LOWER VOLTAGE THAN THE N.R.G.
26 PROPOSAL, BUT NOT BY MUCH.

1 GAIL HAD A QUESTION.

2 MS. GAIL GALLAGHER: GAIL GALLAGHER,
3 YUMA COUNTY.

4 WE WENT OVER THE SOCIOECONOMIC IMPACTS
5 VERY QUICKLY. AND I HAVE A FEW CONCERNS THAT I
6 THINK EVERYBODY IN THE EASTERN PART OF THE
7 COUNTY WILL PROBABLY VOICE, TOO, IS THAT WE DO
8 HAVE CERTAIN ESTABLISHED COMMUNITIES IN THERE
9 THAT DO HAVE A HIGH UNEMPLOYMENT RATE. AND THIS
10 WILL AVAIL AN OPPORTUNITY FOR SOME EMPLOYMENT.

11 BUT WE ALSO HAVE A VERY HIGH SHORTAGE
12 OF HOUSING IN THE AREA. AND THE IMPACTS TO THAT
13 AREA, ALTHOUGH IT WILL BE TEMPORARY, MAY BE
14 HIGH.

15 AND THERE ARE CERTAIN PEOPLE IN THE
16 COMMUNITY THAT DO HAVE SORT OF A LEADERSHIP
17 ROLE; THAT YOU MAY WANT TO CONTACT THOSE
18 INDIVIDUALS. WHICH I CAN, YOU KNOW, GIVE YOU A
19 LIST OF THOSE INDIVIDUALS SO THAT THE WORD CAN
20 GET OUT SO EVERYBODY WILL BE PREPARED, YOU KNOW,
21 FOR THE NEW PEOPLE THAT MAY BE COMING IN TO WORK
22 OR THE AVAILABILITY OF WORK.

23 MR. ED PENTECOST: HOUSING.

24 MS. GAIL GALLAGHER: HOUSING.

25 MR. ED PENTECOST: I AM NO EXPERT IN
26 THIS PART OF THE WORLD, BUT IT SEEMS TO ME LIKE

1 THE FEW TIMES I HAVE COME DOWN I-8 THERE IS NO
2 PLACE TO STAY IN TERMS OF MOTELS. FROM GILA
3 BEND TO --

4 MS. GAIL GALLAGHER: TACNA HAS A HOTEL
5 AND WELLTON, BUT THEY ARE VERY SMALL. THEY ARE
6 VERY SMALL HOTELS.

7 MR. ED PENTECOST: SO THAT WOULD BE AN
8 IMPACT I THINK JIM WOULD WANT TO MENTION IN THE
9 SOCIOECONOMIC IMPACT. AND IF THEY DO BRING
10 THEIR OWN R.V. OUT THERE WHILE WORKING ON IT
11 THERE IS MORE DISTURBANCE.

12 SO IT'S VERY IMPORTANT. THANK YOU.

13 MS. ELLEN RUSSELL: I HAVE A QUESTION
14 ABOUT MODELS THAT ARE BEING USED.

15 MR. ED PENTECOST: YES.

16 MS. ELLEN RUSSELL: AND WHEN YOU
17 DISCUSSED THE E.M.F. YOU SPECIFICALLY SAID THAT
18 YOU WERE GOING TO BE USING A B.P.A. MODEL.

19 MR. ED PENTECOST: RIGHT.

20 MS. ELLEN RUSSELL: YOU DIDN'T IDENTIFY
21 THE OTHER MODELS THAT YOU WERE GOING TO BE USING
22 THROUGHOUT THE STUDY. AND I DON'T KNOW IF
23 THAT'S IMPORTANT TO ANY PARTICULAR GROUP HERE.
24 YOU KNOW, WHAT MODEL IS BEING USED FOR WHAT
25 SEGMENT.

26 MR. ED PENTECOST: I DON'T KNOW WHETHER

1 TIM HAS ANY MODELS FOR SOME SOCIOMULTIPLIER
2 EFFECT KINDS OF THINGS. I THINK HE DOES, BUT I
3 DON'T KNOW WHAT THEY ARE CALLED.

4 MS. ELLEN RUSSELL: EVEN WE DISCUSSED
5 USING AN AIR MODEL. BUT YOU DIDN'T IDENTIFY
6 WHAT AIR MODEL YOU ARE PROPOSING TO USE.

7 MR. ED PENTECOST: OH. LIKE I SAID, WE
8 WOULD USE IT -- WE WOULD USE IT IF WE HAD DATA.
9 A SINGLE EMISSION SOURCE. A LARGE INDUSTRIAL
10 FACILITY, IF THAT WAS THE NATURE OF THIS
11 PROJECT. BUT I SAID WE WOULDN'T BE DOING THAT.

12 MS. ELLEN RUSSELL: OKAY. MY OTHER
13 QUESTION IS ABOUT EFFICIENT DISTRIBUTION OF
14 E.I.S.'S AND DRAFT DOCUMENTS. AND IF ANYBODY
15 HAS ANY RECENT EXPERIENCE WITH DISTRIBUTING
16 LARGE DOCUMENTS.

17 MS. GAIL GALLAGHER: GAIL GALLAGHER
18 WITH YUMA COUNTY.

19 WHEN WE WERE -- WHEN I WAS WORKING FOR
20 ANOTHER COMMUNITY SAN LUIS, ARIZONA WE
21 DISTRIBUTED OUR DOCUMENTS TO ALL OF THE LOCAL
22 LIBRARIES AND SEVERAL OF THE DIFFERENT
23 GOVERNMENT AGENCIES.

24 MS. ELLEN RUSSELL: AND HOW DID PEOPLE
25 KNOW THAT THOSE DOCUMENTS WERE AT THE LIBRARY?

26 MS. GAIL GALLAGHER: WE ADVERTISED.

1 WE ADVERTISED.

2 MS. ELLEN RUSSELL: HAS ANYBODY USED
3 DISTRIBUTION OF JUST A SUMMARY DOCUMENT OR A
4 DOCUMENT ON C.D. OR ANYTHING LIKE THAT?

5 MR. MICKEY SIEGEL: YEAH, WE PUT AN
6 E.I.S. ON C.D.

7 MS. ELLEN RUSSELL: AND HOW WELL
8 ACCEPTED WAS IT?

9 MR. MICKEY SIEGEL: THEY WERE AVAILABLE
10 AT THE HEARING. AND THEN THEY WERE MAILED OUT
11 TO THE PEOPLE WHO REQUESTED THEM ON THE MAILING
12 LIST, SEVERAL HUNDRED COPIES.

13 THEY ARE LESS COSTLY THAN PAPER AND
14 LIGHTER WEIGHT, EASIER TO HANDLE.

15 I CAN'T TELL YOU HOW MANY PEOPLE HAVE
16 ACTUALLY ACCESSED IT VERSUS, YOU KNOW, NEEDING
17 THE PRINTED COPY. BUT THAT SEEMS TO BE THE --
18 MORE AND MORE ACCEPTABLE.

19 MAYBE PUTTING OUT -- I JUST THOUGHT
20 MAYBE PUTTING OUT A POSTCARD TO THE MAILING LIST
21 SAYING WOULD YOU LIKE IT ON PRINTED COPY ON
22 C.D. -- OR ACCESS THROUGH THE WEB SITE JUST AS
23 WELL AS THE C.D.

24 BUT THERE IS SOMETHING ABOUT STILL
25 HAVING SOMETHING YOU CAN HOLD THAT PEOPLE LIKE
26 TO HAVE.

1 MS. GAIL GALLAGHER: GAIL GALLAGHER,
2 YUMA COUNTY.

3 ALL OF OUR LIBRARIES IN THE COUNTY NOW
4 HAVE COMPUTERS, SO THEY WOULD HAVE ACCESS TO
5 USING THE COMPUTERS, THE C.D.'S IF THEY WERE
6 AVAILABLE IN THOSE LIBRARIES.

7 MR. THOMAS ZALE: TOM ZALE, B.L.M.

8 I THINK MY PREFERENCE WOULD BE THAT YOU
9 DO A COMBINATION OF THOSE. I LIKE THE IDEA
10 ABOUT ASKING PEOPLE IN WHAT FORMAT THEY WOULD
11 LIKE TO GET IT IF THEY ARE ON THE MAILING LIST.

12 YOU KNOW, IDEALLY POSTING ON THE WEB
13 WOULD BE ADEQUATE, BUT I THINK SOME PEOPLE MAY
14 NOT HAVE ACCESS TO THE WEB.

15 SIMILARLY PUTTING IT OUT SOLELY ON
16 C.D., YOU KNOW, PEOPLE MAY NOT HAVE ACCESS TO
17 COMPUTERS.

18 IF YOU DON'T MAKE IT AVAILABLE IN
19 PRINT, I THINK YOU ARE LEAVING YOURSELF OPEN TO
20 REQUESTS THAT YOU DO THAT DURING THE COMMENT
21 PERIOD AND REQUEST AN EXTENDED COMMENT PERIOD
22 BECAUSE I DIDN'T HAVE MY DOCUMENT FOR THE WHOLE
23 TIME.

24 MS. ELLEN RUSSELL: WHAT ABOUT SENDING
25 JUST A SUMMARY OR EXECUTIVE SUMMARY TO EVERYBODY
26 ON YOUR MAILING LIST, AND THEN ALLOWING THEM TO

1 CHOOSE AN OPTION, WHETHER THEY WANT THE ENTIRE
2 DOCUMENT OR THE C.D.?

3 MR. THOMAS ZALE: I THINK THAT WOULD BE
4 FINE. THE ONLY RISK I SEE IN THAT -- I HATE TO
5 SOUND SO PESSIMISTIC OR SOMETHING, BUT IF I
6 WANTED TO SLOW THE PROCESS I WOULD WAIT UNTIL,
7 YOU KNOW, MIDWAY THROUGH THE COMMENT PERIOD AND
8 SAY, GEE, YOU KNOW, I REALLY DO WANT TO HAVE AN
9 EXTENSION, SO SEND ME A PAPER COPY SO I CAN HAVE
10 ADEQUATE TIME TO REVIEW THIS. YOU KNOW, I WOULD
11 ASK FOR ANOTHER 90 DAYS OR WHATEVER, YOU KNOW.

12 I THINK IT'S BEST TO MAKE STUFF
13 AVAILABLE IN WHATEVER FORMAT BEFORE THE COMMENT
14 PERIOD BEGINS TO GIVE PEOPLE ADEQUATE TIME.

15 MS. ELLEN RUSSELL: IT HADN'T EVEN
16 OCCURRED TO ME TO DO IT BEFORE THE COMMENT
17 PERIOD EVEN BEGINS.

18 MR. THOMAS ZALE: IF YOU WOULD DO THAT
19 THAT WOULD BE GOOD.

20 MS. ELLEN RUSSELL: THANK YOU.

21 MR. ED PENTECOST: DO YOU HAVE ANY
22 CLOSING REMARKS OR ANYTHING TO SHARE? B.L.M. IS
23 GOING TO GIVE A QUICK, THOROUGH REVIEW OF OUR
24 PRELIMINARY DRAFT ONCE WE PUT IT TOGETHER.

25 MR. DAVE DANIELS: THOROUGH. I DON'T
26 KNOW HOW QUICK.

1 MR. ED PENTECOST: YOU PROBABLY WON'T
2 SEE ALL THE POLISHED FIGURES. I DOUBT THAT THE
3 WELLTON ASSESSMENT WILL BE IN THERE. IT WILL BE
4 IN THE VERSION AND YOU WILL PROBABLY GET THAT
5 UNDER A SEPARATE COVER. BE IN THE VERSION THAT
6 GOES OUT TO THE PUBLIC, THE CONCLUDED SUMMARY.

7 MR. RUSS ENGEL: RUSS ENGEL, GAME AND
8 FISH.

9 WILL YOU SEND PRELIMINARY VERSIONS TO
10 OTHER AGENCIES OR JUST COOPERATING AGENCIES? I
11 THINK IT WOULD BE A GOOD IDEA FOR SOME OF THE
12 OTHER AGENCIES TO SEE THE EARLIER VERSIONS.

13 MR. ED PENTECOST: WE HADN'T PLANNED TO
14 DO THAT, RUSS, BECAUSE OF THE PROBLEMS OF
15 GETTING IT OUT ON TIME.

16 MS. ELLEN RUSSELL: HISTORICALLY WE
17 HAVE ONLY DONE IT FOR COOPERATING AGENCIES.
18 FORMAL COOPERATING AGENCIES.

19 MR. ED PENTECOST: I AM TRYING TO THINK
20 HOW WE COULD WORK IT. I HATE TO DISTRIBUTE THE
21 PRELIMINARY WHEN IT REALLY HASN'T MET YOUR
22 APPROVAL OR B.L.M.'S YET.

23 BUT IT WOULD CERTAINLY BE NICE IF
24 THINGS LIKE -- WELL, MITIGATION. I GUESS THAT'S
25 AN EASY THING TO ADD IF THERE IS SOMETHING WE
26 LEFT OUT BETWEEN THE DRAFT AND THE FINAL.

1 AND THERE WILL BE HEARINGS ON THIS
2 PROJECT; RIGHT, ELLEN?

3 MS. ELLEN RUSSELL: DEFINITELY.

4 MR. ED PENTECOST: I GUESS EACH OF THE
5 HEARING COMMENTS WILL BE SOME DISPOSITION --

6 MS. ELLEN RUSSELL: HEARING COMMENTS
7 ARE RECIRCULATED IN THE DOCUMENT.

8 MR. ED PENTECOST: THAT WILL BE
9 SOMEWHERE HERE IN THE PROJECT AREA. WE JUST
10 DON'T KNOW WHEN.

11 YES, NANCY.

12 MS. NANCY NICOLAI: SOMETHING TO
13 CONSIDER IS THAT B.L.M. DOES CONSIDER OTHER
14 AGENCY'S COMMENTS. SO IF THEY HAVE SEEN THE
15 EARLIER DRAFT AND YOU'RE ALL COMMENTING
16 TOGETHER, THEN WHEN WE FINALIZE OUR DRAFT, WE
17 FEEL PRETTY COMFORTABLE WHEN WE ARE ALL HELPING
18 EACH OTHER. WE SEE THESE OTHER AGENCIES.
19 SOMETIMES THEY HAVE ISSUES THEY HAVEN'T THOUGHT
20 ABOUT OR PROCESSES THAT WE DON'T KNOW ABOUT. SO
21 IT'S HELPFUL TO US ON MANY OCCASIONS. SOMETHING
22 TO THINK ABOUT TO INCLUDE THEM.

23 MS. ELLEN RUSSELL: MAYBE WE CAN GET
24 TWO LEVELS.

25 MR. ED PENTECOST: I HEAR ALL THIS AND
26 IT SOUNDS GOOD.

1 MR. RUSS ENGEL: DO YOU HAVE A
2 PROJECTED TIME TABLE FOR THE DRAFT TO COME OUT?

3 MR. ED PENTECOST: YEAH, IT'S ON THE
4 BACK OF YOUR WORK PLAN, THE BACK PAGE.

5 THERE'S TWO BIG IF'S HERE. IF WE MAKE
6 OUR END-OF-AUGUST DATE, RUSS, AND THEN IF D.O.E.
7 AND THE AGENCIES CAN -- B.L.M. AND B.I.A. CAN
8 GET THEIR REVIEW BACK TO US IN ABOUT A MONTH
9 TIME FRAME, THEN THAT LEAVES US WITH ABOUT 18
10 DAYS TO PREPARE A PRELIMINARY DRAFT.

11 WHAT TYPICALLY WOULD HAPPEN THERE IS I
12 GUESS D.O.E. WOULD BE CONCURRING ON -- SINCE YOU
13 ARE THE LEAD AGENCY, THERE WOULD HAVE TO BE SOME
14 TIME THERE FOR YOU TO REVIEW AND CONCUR AND HAVE
15 LEGAL REVIEW AS WELL AS E.A.

16 SO THIS IS A ROBUST SCHEDULE. IF ALL
17 THOSE THINGS WERE TO HAPPEN, THE DRAFT WOULD BE
18 ISSUED SOMEWHERE NEAR THE END OF OCTOBER, AROUND
19 45 DAYS -- I AM SORRY, IT WOULD BE EARLY
20 NOVEMBER.

21 I HAVE DOWN, ELLEN, ON STEP 41 THERE,
22 OCTOBER 18TH TO NOVEMBER 12TH D.O.E. PUBLISHES
23 AND DISTRIBUTES.

24 NOW, YOU HAVE TO HAVE SEVEN DAYS AFTER
25 IT'S PRINTED TO GET IT TO ALL THE CONGRESSMEN
26 AND SO ON AND NOTICED IN THE FEDERAL REGISTER

1 BEFORE IT'S DISTRIBUTED. BUT --

2 MS. ELLEN RUSSELL: THERE IS NO
3 QUESTION THIS IS AN AGGRESSIVE SCHEDULE.

4 MR. ED PENTECOST: YEAH, IT IS.

5 I WOULD THINK YOU WOULD SEE IT YET THIS
6 CALENDAR YEAR, PROBABLY IN THE NOVEMBER TIME
7 FRAME, IF ALL GOES WELL.

8 MR. ROBERT EVANS: WE WILL DO
9 EVERYTHING WE CAN TO COOPERATE TO MAKE SURE OF
10 THAT.

11 MS. ELLEN RUSSELL: WE WILL DO
12 EVERYTHING WE CAN NOT TO HAVE TO COME BACK IN
13 JULY.

14 MR. RUSS ENGEL: RUSS ENGEL AGAIN.

15 MY ONLY COMMENT ON THAT -- AND THE
16 REASON THAT I ASK THAT WAS I HAVE BEEN INVOLVED
17 IN A LOT OF E.I.S.'S AND THE TREND AND THE WAY
18 THAT IT SEEMS TO WORK THE SMOOTHEST IS IF YOU
19 CAN GET PRELIMINARY DRAFTS OUT AS EARLY AS
20 POSSIBLE.

21 IN A LOT OF CASES AGENCIES ARE SEEING
22 DRAFTS BEFORE THE PUBLIC SEES A DRAFT.

23 WHAT HAPPENS IS THAT AGENCIES SUCH AS
24 B.R., ARIZONA GAME AND FISH, CALIFORNIA FISH AND
25 WILDLIFE, ALL OF THESE PEOPLE WHO MAY THROW YOU
26 A CURVE OR MAY HAVE A PROBLEM HAVE A CHANCE TO

1 DO THAT EARLY ON BEFORE IT GETS OUT TO THE
2 PUBLIC.

3 LIKE I SAID, THAT IS -- IT'S MORE OF
4 JUST A COMMENT. THAT SEEMS TO BE A TREND AND IT
5 SEEMS TO SMOOTH THE SYSTEM OUT A LITTLE BIT
6 VERSUS GETTING HIT LATE ON. AND ONCE YOU PUT A
7 DRAFT OUT, IF YOU GET A WHOLE BUNCH OF NEGATIVE
8 COMMENTS OR COMMENTS, THINGS THAT THEY WANT TO
9 SEE INCORPORATED INTO IT, SOMETIMES IT'S EASIER
10 TO MAKE THOSE CHANGES PRIOR TO IT GETTING OUT TO
11 THE PUBLIC.

12 BUT THAT'S JUST A COMMENT. LIKE I
13 SAID, I HAVE BEEN INVOLVED IN SEVERAL OF THESE,
14 AND THAT SEEMS TO BE A TREND NOW.

15 I ASSUME THE INDIANS, SINCE NOW I THINK
16 YOU ARE A COOPERATING AGENCY NOW, YOU FORMALLY
17 REQUESTED -- SUCH AS THE INDIAN TRIBES, BUREAU
18 OF RECREATION, GAME AND FISH DEPARTMENT, FISH
19 AND WILDLIFE SERVICE, PEOPLE LIKE THESE THAT YOU
20 CAN GET A PRELIMINARY DRAFT OUT EARLY TO THEM.

21 A LOT OF TIMES THEY CAN SPOT PROBLEMS
22 THAT MAYBE THE PUBLIC, YOU KNOW -- WE KIND OF
23 READ WHAT OUR CONSTITUENTS ARE GOING TO SEE WITH
24 THIS WHEN IT COMES OUT IN PUBLIC REVIEW AND WE
25 CAN GIVE YOU HEADS-UP OF WHAT WE KNOW THAT OUR
26 CONSTITUENTS ARE GOING TO SAY ABOUT IT.

1 SO A LOT OF TIMES WE CAN TRY AND GET
2 THINGS INCORPORATED IN THERE EARLY ON BEFORE IT
3 GETS OUT TO THEM AND THE PUBLIC BLOWS UP AND
4 SAYS THERE IS A BIG PROBLEM WITH THIS.

5 MR. ED PENTECOST: I CAN SEE A COUPLE
6 THINGS THAT COULD BE DONE AND STILL THOSE THINGS
7 ARE SCHEDULING. B.I.A. AND B.L.M. KIND OF SAYS
8 THAT WE'VE GOT A PRELIMINARY DRAFT HERE, DO YOU
9 HAVE TIME TO LOOK AT IT IN THE NEXT COUPLE OF
10 WEEKS, GIVE US YOUR INPUT.

11 THEN THE OTHER THING THAT WE MIGHT DO,
12 ELLEN, IS AFTER YOU FOLKS HAVE COMPLETED THE
13 PRELIMINARY REVIEW, IF THERE WERE SOME STICKY
14 POINTS OR TELEPHONE CONVERSATIONS WITH SOMEONE
15 YOU KNEW AND PROBLEMS WE WOULD BE FACING IS ONCE
16 IT GOES OUT FOR REVIEW BY THE PUBLIC WE CAN
17 START WORKING ON RESOLVING THAT DURING THAT TIME
18 WHILE YOU ARE GETTING IT READY TO GO TO PRESS.

19 MAYBE THE FIRST DISCUSSION WOULD BE
20 BETTER IF IT'S WORKING. I DON'T KNOW WHETHER IT
21 IS OR NOT. BECAUSE LUCAS OR DEBBIE OR SOMEONE
22 HAS AGREED TO COMPILE ALL THE B.L.M. COMMENTS
23 FROM THE THREE OFFICES, AND THAT WILL BE QUITE A
24 CHORE, TOO.

25 AND, OF COURSE, BOB EVANS IS SAYING
26 WHAT IN THE WORLD ARE YOU TRYING TO SAY HERE.

1 IT'S CLEAR TO ME. ROD SAID TO TELL YOU THAT
2 IT'S CLEAR TO HIM. JIM CLOUD OUT IN ARIZONA
3 SAYS IT'S OKAY.

4 THAT MIGHT BE A WORKABLE SOLUTION. I
5 WISH I COULD TELL YOU EXACTLY WHEN.

6 MR. ROBERT EVANS: THIS SHOULD BE
7 SOMETHING THAT WE CAN FIGURE OUT. BECAUSE I
8 THINK EVERYONE HERE AGREES WITH THE IDEA. THE
9 CONCEPT THAT, HEY, IT'S BETTER TO GET STUFF OUT
10 AND GET PEOPLE'S OPINION QUICKLY. CONCEPTUALLY
11 THERE IS AN AGREEMENT THERE. WE CAN FIGURE OUT
12 HOW TO GET THAT DONE, I THINK.

13 MR. ED PENTECOST: YOUR PHOENIX OFFICE
14 GAVE US A VERY GOOD SUGGESTION WHEN JIM AND I
15 STOPPED BY AND SAID TAKE A LOOK AT THE NAVAJO
16 E.I.S. THE NAVAJO TRANSMISSION LINE E.I.S.

17 WE FOUND OUT THE PROJECT WAS NEVER
18 BUILT, BUT THE E.I.S. WAS WRITTEN THAT SAID LOOK
19 AT ALL YOUR RESPONSE TO COMMENTS. WE LAID OUT
20 SOME MITIGATION THERE WHICH MAY HAVE SOME INPUT.
21 AND SAID IF YOU TAKE A LOOK AT THOSE THEY SEE --

22 IN THE NAVAJO TRANSMISSION LINE E.I.S.
23 THERE WERE RESPONSES TO THAT DOCUMENT OR
24 COMMENTS ON THAT DOCUMENT BY ARIZONA GAME AND
25 FISH, AND THEY SUGGESTED THAT WE LOOK AT THOSE
26 COMMENTS AND -- ON MITIGATION AND USE THAT AS

1 APPLICABLE IN OUR E.I.S.

2 SO THOSE ARE THE KINDS OF THINGS THAT
3 WOULD PROBABLY SAVE US TIME BECAUSE WE WOULDN'T
4 GET A COMMENT ON IT HOPEFULLY LATER ON.

5 ANYTHING ELSE?

6 MS. ELLEN RUSSELL: ANY OTHER
7 QUESTIONS?

8 MS. NANCY NICOLAI: I DO HAVE A COUPLE
9 OF QUESTIONS.

10 I AM THINKING A LITTLE BIT. I HAVE
11 BEEN THINKING DURING THE DAY ABOUT DEALING WITH
12 THE CALIFORNIA DEPARTMENT OF FISH AND GAME.

13 MR. ED PENTECOST: YES. THERE HAS BEEN
14 NO RESPONSE FROM -- THE CALIFORNIA FISH AND GAME
15 HASN'T RESPONDED.

16 MS. NANCY NICOLAI: I KNOW.

17 AND THE POSSIBILITY OF GETTING A
18 RESPONSE AT THIS STAGE IN THE GAME IS PROBABLY
19 PRETTY SMALL. THEY NORMALLY -- THEY DON'T HAVE
20 STIPULATIONS. THEY DON'T HAVE A PROCESS FOR
21 RESPONDING TO PROJECTS BEFOREHAND. SO THEY
22 NORMALLY DON'T. THEY NORMALLY RESPOND TO THINGS
23 AFTER THE FACT.

24 HOWEVER, B.L.M. IN CALIFORNIA HAS AN
25 M.O.U. WITH FISH AND GAME THAT WE WILL
26 ACKNOWLEDGE AND -- THE STATE ENDANGERED SPECIES,

1 EVEN IF THEY ARE NOT FEDERALLY LISTED, AS WELL
2 AS THOSE THAT ARE FEDERALLY LISTED AND STATE
3 LISTED.

4 IN THAT PROCESS THEN WE DO NOT FINISH
5 OUR E.A.'S AS OR E.I.S.'S UNTIL WE HAVE GONE
6 THROUGH THE PROCESS OF STATE ENDANGERED SPECIES
7 ACT WITH FISH AND GAME.

8 AND THE WAY THAT I SEE YOUR SCHEDULE IS
9 THAT THAT WOULDN'T HAPPEN UNTIL AFTER THE E.I.S.
10 IS COMPLETED.

11 SO I WOULD LIKE TO ENCOURAGE YOU TO
12 MAYBE BRING THAT PARTICULAR PART OF THE PROCESS
13 IN EARLY, BECAUSE WE NEED TO -- OR HOW WOULD WE
14 DO IT, I AM NOT SURE.

15 SECONDLY, CALIFORNIA DEPARTMENT OF FISH
16 AND GAME ALSO HAS JURISDICTION OVER WETLANDS AND
17 WATERS. THEY HAVE SOMETHING CALLED A 1604
18 PERMIT FOR ANYTHING THAT'S -- IT'S CALLED
19 FILL -- SORT OF A STRANGE DEFINITION, BUT IT'S
20 CALLED FILL, DREDGE OR MOVE WATERS.

21 AND THAT WOULD -- WASHES IN THE DESERT
22 ARE INCLUDED IN THAT.

23 SO IF THERE IS GOING TO BE ANY KIND OF
24 DISTURBANCE TO THOSE FEATURES -- AND, OF COURSE,
25 THE WETLANDS, AS WELL -- THEY REQUIRE THEIR OWN
26 PROCESS FOR THAT.

1 AND AGAIN WE REQUIRE OR WE NEED TO HAVE
2 THAT COMPLETED BEFORE WE CAN DO A RECORD OF
3 DECISION.

4 SO THERE IS A COUPLE OF STEPS IN THERE
5 THAT NEED TO BE CONSIDERED BEFORE WE CAN
6 FINALIZE WHAT WE NEED TO DO.

7 AND THIRDLY, THE PROCESS OF A SECTION 7
8 CONSULTATION WITH U.S. FISH AND WILDLIFE
9 SERVICE. I HAVE BEEN ENGAGED IN SEVERAL
10 CONSULTATIONS. I HAVE NEVER SEEN ONE AT THIS
11 VAGUE OF A PROJECT.

12 THEY WANT TO KNOW HOW MANY DESERT
13 TORTOISES ARE GOING TO BE TAKEN. THEY WANT TO
14 KNOW HOW MANY PEOPLE ARE ON SITE, WHERE ARE THE
15 ROADS, WHERE ARE YOU GOING, WHAT TIME OF YEAR,
16 HOW MANY PADS.

17 AND AT THIS PARTICULAR PROCESS I AM NOT
18 SURE THAT WE WOULD BE ABLE TO DO A SECTION 7
19 CONSULTATION.

20 SO AGAIN I AM POSING TO YOU HOW YOU
21 WOULD ACCOMPLISH DOING THAT.

22 I SHOULD MAKE A POINT THAT WE DON'T
23 NEED TO HAVE AN E.I.S. -- WE CAN HAVE AN E.I.S.
24 COMPLETED WITHOUT A BIOLOGICAL OPINION FROM FISH
25 AND WILDLIFE SERVICE. HOWEVER, THERE HAS TO BE
26 REALLY STRONG LANGUAGE IN THE RECORD OF DECISION

1 ABOUT HOW WE ARE GOING TO DEAL WITH IT.

2 SO THAT NEEDS TO BE CONSIDERED, AND I
3 AM WONDERING HOW YOU ARE PLANNING TO DO IT.

4 MS. DEBBIE DEBOCK: DEBBIE DEBOCK.

5 THE PLAN OF DEVELOPMENT THAT WOULD COME
6 AS PART OF THE APPLICATION WOULD HAVE ALL THOSE
7 SPECIFICS IN IT. EVERY LITTLE DETAIL OF WHAT
8 WOULD HAPPEN, THAT WOULD COME IN.

9 AFTER THE E.I.S. I WOULD THINK WAS
10 COMPLETED, THE FINAL, AND THEN THAT WOULD COME
11 IN AND THAT IS WHAT YOU COULD USE FOR YOUR
12 SECTION 7 CONSULTATION.

13 MR. NANCY NICOLAI: OKAY. AND GIVEN
14 THAT YOU NEED TO BE AWARE THAT IT WILL TAKE 160
15 DAYS, IF I AM COUNTING CORRECTLY, 180 DAYS FROM
16 THE TIME THEY RECEIVE THAT INFORMATION UNTIL A
17 CONSULTATION IS EVEN REMOTELY COMPLETED.

18 OKAY. AND WE COULDN'T START THE
19 PROJECT IN CALIFORNIA WITHOUT IT.

20 MR. THOMAS ZALE: TOM ZALE WITH B.L.M.

21 IN MY EXPERIENCE IN CALIFORNIA WE
22 ACTUALLY HAVEN'T ASSIGNED RECORDS OF DECISION
23 UNTIL THE SECTION 7 PROCESS WAS COMPLETED. WE
24 HAVE ISSUED DRAFTS AND FINALS. BUT HISTORICALLY
25 I DON'T THINK RECORDS OF DECISIONS HAVE BEEN
26 ASSIGNED WITHOUT THAT SECTION 7 CONSULTATION.

1 MR. ED PENTECOST: WE HAVE HAD
2 DISCUSSIONS HERE AS TO WHEN TO TRY TO IDENTIFY
3 THE LINK AGENCY FOR C.E.Q.A. IN CALIFORNIA.

4 AND WE TALKED ABOUT ONCE WE GOT THAT
5 SUMMARY WHERE WE CAN REACH SOME CONCLUSION ON
6 WHAT WOULD BE THE BEST ALTERNATE ROUTE FROM YOUR
7 STANDPOINT.

8 MAYBE ONE SHOULD ASK TOM TO SEE
9 WHY HE -- TO SEE IF YOU GUYS ARE READY TO MAKE A
10 DECISION. AND THEN AS OPPOSED TO STUDYING FOUR
11 ALTERNATE ROUTES, AS LONG AS YOU LOOK AT, OKAY,
12 WHAT SPECIES ARE KNOWN TO OCCUR OR LIKELY TO
13 OCCUR HERE AND SIT DOWN WITH THAT KIND OF
14 INFORMATION NANCY IS TALKING ABOUT.

15 BUT WE FELT UP TO THIS POINT IT'S BEEN
16 A LITTLE PREMATURE BECAUSE WE DIDN'T HAVE A
17 PREFERRED ROUTE.

18 MR. THOMAS ZALE: I THINK THE THINGS
19 THAT NANCY'S SAYING ARE THE SAME KINDS OF THINGS
20 THAT I WAS SAYING WITH RESPECT TO CULTURAL
21 RESOURCES. AND THEY ARE APPLICABLE WITH RESPECT
22 TO, YOU KNOW, THE TORTOISE AND OTHER ENDANGERED
23 SPECIES.

24 AND MY ADVICE WOULD BE TO GET
25 INVENTORIES ACCOMPLISHED NOW, IF YOU HAVEN'T
26 ALREADY, AND --

1 MR. ED PENTECOST: WE PROBABLY KNOW
2 SOME OF THE INVENTORIES, BUT IT'S THE WRONG
3 SEASON. THE YUMA CLAPPER RAIL WE MAY BE PAST
4 THE BREEDING SEASON, WITH SUCH DENSE HABITAT
5 THAT THEY RESPOND TO CALLS.

6 THAT'S HOW THEY SEE IT IN THE
7 SOUTHWESTERN WILLOW FLYCATCHERS. SUSANNA TELLS
8 ME THAT THEY HAVE GONE THROUGH AREAS EIGHT OR
9 NINE TIMES, THE SAME SURVEY CREW, AND HAVEN'T
10 FOUND THEM, THEN ON THE NINTH TIME THEY ARE
11 THERE.

12 SO THEY ARE VERY DIFFICULT AND THAT
13 WOULD REQUIRE ALSO PROBABLY A CALL SURVEY. THE
14 YUMA CLAPPER RAIL, WE KNOW THAT THEY NEST AND
15 LIVE IN VERY DENSE, GREEN, MARSHY-TYPE HABITATS
16 AND THAT THEY ARE VERY HARD TO DETECT. THEY CAN
17 ONLY BE DETECTED THROUGH CALL SURVEYS. PLAYING
18 THE RECORDING AND SEEING IF YOU HAVE GOT A
19 RESPONSE.

20 AND WE HAVE PASSED THAT PEAK. SO
21 PROBABLY NEXT YEAR WOULD BE THE TIME THAT THOSE
22 SURVEYS CAN BE MOST MEANINGFUL.

23 IN THE SOUTHWESTERN WILLOW
24 FLYCATCHER -- WHAT DID I SAY ABOUT THAT.
25 PROBABLY THE BREEDING SURVEY PERIOD HAS PASSED
26 FOR THEM FOR THIS YEAR. SO IT WOULD HAVE TO BE

1 NEXT YEAR. BUT --

2 MS. NANCY NICOLAI: BUT BY NEXT SPRING
3 WON'T YOU KNOW -- WILL YOU HAVE A PLAN? THIS
4 PLAN IN SO THAT YOU AREN'T ACTUALLY SURVEYING
5 HUGE SWATHS OR SURVEYING TOWER SITES FOR DESERT
6 TORTOISES OR SURVEYING VERY SPECIFIC, VERY
7 CERTAIN WIDTHS?

8 FOR EXAMPLE, IF THE LINE GOES OVER THE
9 YUMA CLAPPER RAIL HABITAT I WOULD SUGGEST THAT
10 YOU SURVEY THAT, BECAUSE THEY AREN'T GOING TO BE
11 IN THERE.

12 MR. ED PENTECOST: YOU HAVE A DIFFERENT
13 TERRAIN IN CALIFORNIA. I AM SITTING HERE
14 THINKING OFF THE TOP OF MY HEAD. AND WE DON'T
15 CROSS THAT MUCH REALLY RUGGED TERRAIN.

16 WE CAN ALMOST SAY, OKAY, IF WE GO DOWN
17 6 OR IF WE GO OUT AND GO DOWN 7, HERE IS THE
18 NUMBER OF TOWERS AND ROUGHLY WHERE THEY WOULD BE
19 WITHIN A QUARTER MILE SORT OF THING, AND MAYBE
20 THAT WOULD BE ENOUGH TO SIT DOWN WITH THE FISH
21 AND WILDLIFE SERVICE AND SEE WHICH SPECIES THEY
22 WOULD WANT TO -- THEY WOULD REQUIRE SURVEYS ON.

23 THEIR WIRE BACK TO US SAID NOTHING
24 ABOUT REQUIRING SURVEYS ON ANYTHNG. THEY JUST
25 TOLD US -- INFORMED US ABOUT THE SECTION 7
26 PROCESS IN ALL OF THE THINGS WE DO.

1 MS. NANCY NICOLAI: RIGHT. YES, AND I
2 WARNED YOU THAT THEY WOULD DO THAT. SO THAT'S
3 WHY I RECOMMEND -- HAVE CERTAIN RECOMMENDATIONS
4 FROM MY EXPERIENCE WITH FISH AND WILDLIFE
5 SERVICE IN CALIFORNIA ABOUT WHICH SPECIES AND
6 WHICH ONES NEED SURVEYS, WHICH ONE DON'T AND HOW
7 TO DO THE SURVEYS AND WHERE.

8 AND THAT'S WHAT I AM TRYING TO HELP YOU
9 WITH RIGHT NOW. THE MORE SPECIFIC YOU CAN GET
10 ABOUT WHERE THINGS ARE, HOW MANY PEOPLE, WHAT
11 SEASON, WHAT TIME OF YEAR, THE BETTER WE CAN BE
12 IN A POSITION.

13 WHAT THEY NEED TO DO IS SAY THERE WILL
14 BE FIVE DESERT TORTOISES KILLED BY THIS PROJECT;
15 YOU GET TO DO THAT.

16 BASICALLY THE DECISION YOU NEED TO MAKE
17 IS HOW MANY TORTOISES CAN BE TAKEN, HOW MANY CAN
18 BE HARASSED. THEY CAN'T DO THAT WITHOUT KNOWING
19 ON THE GROUND AND SEASONAL AND DRIVING AROUND
20 KINDS OF INFORMATION.

21 SO -- AND THAT'S THE SAME -- THE SAME
22 IS TRUE WITH SOME OF THE OTHER SPECIES THAT WE
23 ARE TALKING ABOUT. THEY CAN AVOID DOING SURVEYS
24 IF YOU CAN AVOID CERTAIN TYPES OF ACTIVITIES.

25 LIKE I SAID, YOU MAY NOT EVEN HAVE TO
26 DO A YUMA CLAPPER RAIL SURVEY IF THE LINE IS

1 GOING TO GO RIGHT OVER THERE AND IF YOU ARE NOT
2 GOING TO BE DRIVING IN IT. IF YOU ARE GOING TO
3 PLACE THE WIRES AND THEN HELICOPTER THEM OVER TO
4 THE NEXT TOWER ACROSS THE COLORADO RIVER,
5 PERHAPS YOU NEVER NEED TO DO A SURVEY, BECAUSE
6 YOU ARE NOT IMPACTING THE YUMA CLAPPER RAIL,
7 ANYWAY.

8 MR. ED PENTECOST: SO WE CAN TELL THEM
9 THAT KIND OF INFORMATION IF WE KNEW WHAT -- WHAT
10 THE ROUTE WOULD BE AND WHERE WE MIGHT --

11 MR. ROBERT EVANS: I THINK WHAT WE ARE
12 HEARING -- WE ARE GETTING A MESSAGE FROM YOU.
13 AND I THINK WHAT WE NEED TO DO NOW IS TO GO
14 BACK, CONVERSE BETWEEN OURSELVES HOW BEST TO
15 DEAL WITH THIS, AND THEN GET BACK TO YOU TO SAY,
16 OKAY, HERE IS WHAT WE THINK WE CAN DO. DOES
17 THIS MEET YOUR CONCERN. DO YOU THINK THAT THIS
18 IS GOING TO HELP IN THE PROCESS.

19 I THINK --

20 MS. NANCY NICOLAI: SO COULD YOU REPEAT
21 BACK TO ME WHAT YOU HEARD ME SAY IS THE MESSAGE
22 JUST SO THAT WE ARE IN TOTAL AGREEMENT IN THIS
23 MEETING ABOUT WHAT I AM TRYING TO SAY?

24 MR. ROBERT EVANS: I THINK WHAT YOU ARE
25 TRYING TO SAY AND WHAT TOM WAS TRYING TO SAY IS
26 GIVE US AS MUCH SPECIFICITY AS POSSIBLE.

1 MS. NANCY NICOLAI: THERE IS A CERTAIN
2 LEVEL SECTION NEEDED TO DO A SECTION 7
3 CONSULTATION. SO I DON'T THINK I AM ACTUALLY
4 SAYING THAT.

5 I AM SAYING WHERE DO YOU PLAN TO DO
6 THAT SECTION 7 CONSULTATION. DO YOU HAVE TIME
7 NEXT SPRING TO DO THESE SURVEYS, FIND OUT
8 EXACTLY HOW MANY ANIMALS, HOW MUCH HABITAT IS
9 GOING TO BE IMPACTED, AND THEN GO THROUGH THE
10 180-DAY PERIOD. DO YOU HAVE TIME. IF NOT THEN
11 YOU BETTER START RETHINKING A DIFFERENT WAY OF
12 DEALING WITH FISH AND WILDLIFE.

13 MR. ROBERT EVANS: I HEAR YOU.

14 MR. DIRK ANDREAS: BOB, WHAT I AM
15 HEARING IS WE NEED TO FIGURE OUT WHERE THE
16 TOWERS ARE GOING TO BE. THAT'S WHAT I AM
17 HEARING. I HAVE HEARD IT TWICE HERE. LET'S
18 MOVE ON.

19 MR. ROBERT EVANS: I THINK WE GOT THE
20 MESSAGE.

21 MS. NANCY NICOLAI: I HOPE SO, BECAUSE
22 YOU DIDN'T GET IT THE LAST TIME.

23 MR. ROBERT EVANS: I THINK WHAT WE ARE
24 SAYING IS -- I THINK WE ARE KIND OF IN A
25 PARTNERSHIP HERE. AND WE NEED TO COME UP WITH A
26 PLAN THAT IS GOING TO MEET --

1 I MEAN, WE OBVIOUSLY WANT TO GET THIS
2 PROJECT CONSTRUCTED AS QUICKLY AS POSSIBLE. WE
3 ARE ANTICIPATING YOU'RE TRYING TO HELP US DO
4 THAT.

5 AND SO WE JUST NEED TO CONVERSE AND WE
6 NEED TO COME BACK AND SAY, LOOK -- BETWEEN
7 OURSELVES FIGURE OUT HOW WE CAN DO THIS. HOW WE
8 CAN SHIFT OUR SCHEDULE AROUND TO MEET YOUR
9 NEEDS. AND THEN COME BACK TO YOU AND SAY WE
10 THINK WE HAVE IT.

11 SO I AM ASSUMING THERE WILL BE --

12 MS. NANCY NICOLAI: THAT'S FAIR.

13 MR. ROBERT EVANS: THIS IS NOT THE LAST
14 CONVERSATION THAT WE WILL HAVE.

15 MS. NANCY NICOLAI: THAT'S FAIR. THANK
16 YOU. I DIDN'T MEAN TO DRAG IT ON. IT SOUNDED
17 LIKE YOU FELT I WAS GOING ON AND ON. SOMETIMES
18 I AM NOT VERY CLEAR.

19 MR. DIRK ANDREAS: NO. I HAD NOT HEARD
20 PREVIOUSLY. I APOLOGIZE FOR THAT THAT IT WAS
21 THAT IMPORTANT. WHAT I AM HEARING IS IT IS, SO
22 WE WILL TAKE CARE OF IT.

23 MR. ED PENTECOST: THERE ARE TWO GROUPS
24 HERE THAT ARE KEY PLAYERS THAT ARE NOT
25 REPRESENTED TODAY. AND THAT'S THE FISH AND
26 WILDLIFE SERVICE AND THE CORPS OF ENGINEERS.

1 AND HISTORICALLY I THINK WHAT NANCY IS
2 SAYING AND WHAT A LOT OF US KNOW, TOO, IS THAT
3 BOTH OF THOSE AGENCIES WILL NOT RENDER AN
4 OPINION OR JUDGEMENT UNTIL THEY SEE THE DETAILS
5 AND UNTIL THEY SEE THE PRODUCT.

6 AND IT'S VERY DIFFICULT. BECAUSE YOU
7 WOULD LIKE TO BE ABLE TO SIT DOWN EARLY ON AND
8 SAY HERE IS THE APPROACH WE ARE GOING TO TAKE.

9 I TALKED WITH THE LADY FROM CALIFORNIA
10 ON THE PHONE TWO OR THREE TIMES. SHE WAS REALLY
11 WANTING TO COME TO THIS MEETING, BUT SAID THEY
12 WEREN'T GOING TO BE ABLE TO MAKE IT OVER FROM
13 CARLSBAD.

14 MS. NANCY NICOLAI: IT'S UNFORTUNATE,
15 BUT THEY ARE IN MORE OF A RESPONSE MODE THAN
16 THEY ARE THE END PROCESS MODE. THAT'S WHAT I AM
17 TRYING TO HELP GET ACROSS FOR THE AGENCY.

18 MR. ED PENTECOST: RUSS?

19 MR. RUSS ENGEL: RUSS ENGEL.

20 THAT WAS WHAT MY COMMENT -- I THINK
21 MAYBE YOU ADDRESSED IT -- ONE PERMIT I HAD NOT
22 HEARD ANYONE ADDRESS YET WAS A 404. YOU HAVE
23 BEEN IN TOUCH WITH THE CORPS FOLKS.

24 MR. ED PENTECOST: WELL, WE WILL BE.
25 WE TRIED TO. WE ADVISED THEM OF THIS MEETING.
26 WE LEFT MESSAGES. WE INVITED THEM OUT TO THE

1 SEGMENT OF THE COLORADO RIVER TO MEET WITH US.

2 MR. RUSS ENGEL: I MAY BE WRONG, BUT I
3 THINK IT'S NOT ONLY THE COLORADO RIVER. I THINK
4 IN ARIZONA ANY DESERT WASH THEY HAVE
5 JURISDICTION OVER. SO ANY TOWER YOU MIGHT PLACE
6 IN A WASH.

7 MR. DIRK ANDREAS: THEY CONSIDER THAT
8 NAVIGABLE WATER.

9 MR. RUSS ENGEL: ONLY AT CERTAIN TIMES.

10 MR. ED PENTECOST: RON WILL CERTAINLY
11 BE TRYING TO QUANTIFY THAT ALONG OUR DIFFERENT
12 LINKS. HOW MUCH WASH, WHERE ARE THEY LOCATED,
13 AND SO ON.

14 MR. RUSS ENGEL: SO I WOULD GET IN
15 TOUCH WITH THEM AGAIN ON THE SAME BASIS
16 EVERYBODY IS TALKING ABOUT. I WOULD GET IN
17 TOUCH WITH THEM AS SOON AS POSSIBLE THAT YOU
18 KNOW OF ANY POSSIBLE IMPACTS TO THEM.

19 MS. ELLEN RUSSELL: WELL, I THINK THIS
20 MEETING HAS BEEN TREMENDOUSLY USEFUL. AND I
21 THANK ALL OF YOU FOR STICKING IT OUT TO THE END
22 OF THE DAY AND WE CAN GO OFF THE RECORD.

23 (WHEREUPON, THE MEETING CONCLUDED AT
24 4:08 P.M.)

25

26

4 I, JANIE JENNINGS, CERTIFIED
5 SHORTHAND REPORTER, HOLDING C.S.R. LICENSE
6 NUMBER 4534, WITHIN AND FOR THE STATE OF
7 CALIFORNIA, DO CERTIFY:

8 THAT THE HEARING WAS TAKEN DOWN BY ME
9 IN STENOTYPE AT THE TIME AND PLACE HEREIN STATED
10 AND WAS THEREAFTER REDUCED TO TYPEWRITING UNDER
11 MY DIRECTION AND SUPERVISION, AND THE FOREGOING
12 TRANSCRIPT, PAGES 1 THROUGH 240, INCLUSIVE, IS A
13 FULL, TRUE AND CORRECT TRANSCRIPT OF MY SAID
14 STENOTYPE NOTES.

THIS CERTIFICATION BECOMES VOID IF
THE ORIGINAL BINDING ON THIS TRANSCRIPT IS
BROKEN, REMOVED OR TAMPERED WITH IN ANY MANNER.

18 WITNESS MY SIGNATURE THIS _____ DAY
19 OF _____, 1999.

26

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